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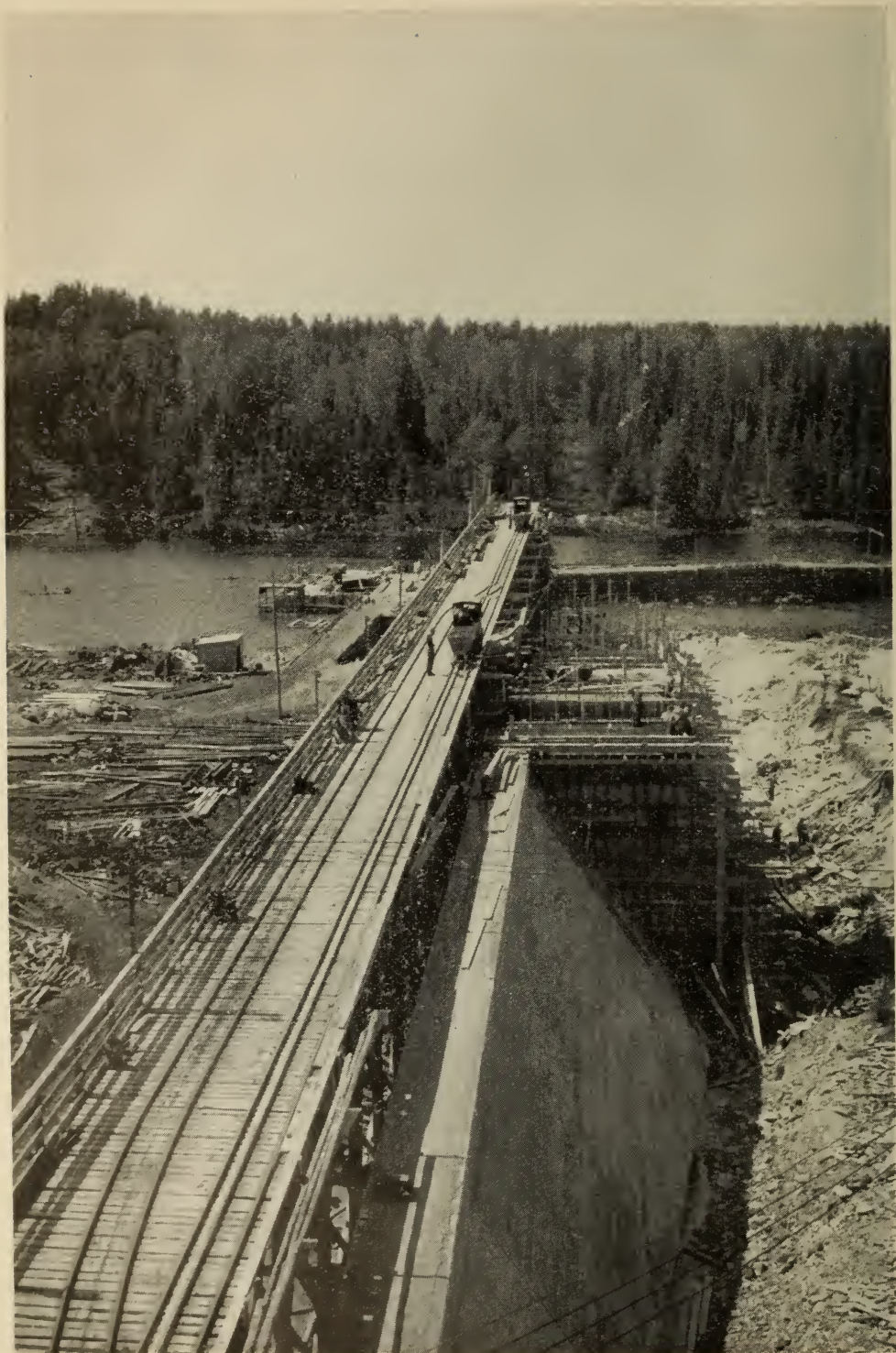




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OGOKI RIVER DIVERSION PROJECT—NORTHERN ONTARIO

A beneficial diversion of water which will increase the power resources of Southern Ontario and Quebec and improve levels of the Great Lakes for the benefit of Canadian and United States navigation interests

Ontario. Hydro-Electric Power  
Commission

(THIRTY-FOURTH) ANNUAL REPORT

OF

THE HYDRO-ELECTRIC  
POWER COMMISSION  
OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

34th — 35th

1941-1942

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ONTARIO

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty  
1942

707478

THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

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T. H. HOGG, B.A.Sc., C.E., D.ENG. . . . . *Chairman and Chief Engineer*  
HON. WM. L. HOUCK, B.Sc., M.L.A. . . . . *Vice-Chairman*  
J. ALBERT SMITH, M.L.A. . . . . *Commissioner*  
OSBORNE MITCHELL . . . . . *Secretary*



V  
CHAIRMAN'S LETTER OF TRANSMITTAL

*To His Honour*

THE HONOURABLE ALBERT MATTHEWS, L.L.D.,

*Lieutenant-Governor of Ontario*

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Fourth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1941.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1941 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

#### War Activities

To serve ever-growing war loads the Commission has had to plan continuously to secure additional power supplies from many sources. Not only has it constructed new power developments, but it has advanced deliveries of power already contracted for, and entered into contracts for further supplies.

These new power supplies have necessitated the provision of additional transmission and distribution facilities, including many new large transformer stations. During the first year of the war the Commission spent more than \$11,000,000 in new capital construction, and in the second year it spent about \$17,000,000.

The Commission realizes that Hydro service in connection with the war must extend beyond the supply of power to war industries. It must ensure that Ontario's valuable electric power is not wasted, but utilized to the best



advantage. It must therefore encourage munitions plants to use electric power freely and efficiently and in many new ways in order to speed the manufacture of war supplies.

After two years of war Hydro is supplying about one-half million horsepower, or approximately 25 per cent of its total output for direct war production. This war production load includes the loads of many industrial plants served by municipalities. There have been increases also in these smaller industrial loads, although many manufacturing plants that have changed to war work utilize to a large extent the same mechanical and electrical equipment. If they were working steadily before the change-over their power demand was not greatly increased, but due to longer working hours their energy consumption has risen sharply.

### Operating Conditions

Operation of the Commission's generating stations, transformer stations and transmission lines was, in general, satisfactory throughout the year. On one occasion only was there serious interference to customers' service. This occurred on October 7, 1941, when a cyclone demolished four towers on the three, 220,000-volt lines carried over a single right-of-way from the Quebec boundary to Leaside transformer station. All three lines were taken out of service for a large portion of two days, limiting the supply of power from eastern sources to the capacity of a newly constructed line which escaped damage because it was situated on a separate right-of-way outside of the storm area. The new line, which had only recently been placed in service, fully demonstrated its value at this time; being able to carry very heavy overload to relieve shortages in power supply to the Niagara system caused by the loss of other eastern line capacity.

At the commencement of the year, water conditions were above normal and continued so through the winter to the spring run-off when all reservoirs were filled to near storage limits. Low precipitation during the run-off period followed by subnormal precipitation into the late summer was a matter of grave concern to the Commission in meeting the power demand in some districts. Heavy rains restored stream flows in September and at the close of the year water conditions in practically all storage basins were above average. No special ice difficulties were encountered at any generating station during the winter of 1940-41.

### Load Conditions

The year was marked by further large increases in load for war industries and by increased demands for commercial, domestic and rural service which greater war activities have stimulated. Due to changing conditions respecting daylight-saving time, the utilization of the maximum amount of power for primary purposes and other factors, comparisons between the past and previous years are somewhat affected. As an indication of load growth trend, comparisons of primary load are more satisfactory.

During the first seven months of the fiscal year—November 1940 to May 1941—when the comparison was affected by the continuation of daylight-saving time in many municipalities, the average increase in monthly

peak load was 6.5 per cent, but during the five months from June to October 1941 when conditions respecting daylight-saving were similar, the average increase over the previous year was 15 per cent, or approximately 250,000 horsepower.

In October 1941 the primary load of all systems combined was 2,096,717 horsepower, and for the first time exceeded two million horsepower.

The 250,000 horsepower average increase in load represents substantial growth in load in all areas served. A large portion of this increase was due to wartime production in the electro-metallurgical and electro-chemical industries of the Niagara district. The total consumption of energy in all systems for primary purposes was 8,905,000,000 kilowatt-hours, nearly 14 per cent in excess of the corresponding consumption of energy in the previous year. The previous year the increase in energy consumption was 19 per cent.

In addition to meeting all primary demands, the Commission utilized its reserve capacity to the greatest possible extent, producing 1,561,000,000 kilowatt-hours\* for secondary power purposes during the year. The greater portion of this was employed in war materials production. The total output during the year ending October 31, 1941, from all sources amounted to 10,466,241,618 kilowatt-hours. This was the largest output on record and exceeded that of the previous year by 8.1 per cent. The peak load, including primary and secondary power, occurred in October 1941 and was 2,312,219 horsepower, or 18.3 per cent greater than the October 1940 peak.

The accompanying tabulations show for the months of October and December 1940 and 1941 the primary peak loads of the co-operative systems and of the several districts of the Northern Ontario Properties. They also give similar data for the total primary and secondary loads.

#### New Power Supplies

To meet the rapidly growing power demands for expanding war production, additional supplies of power have been secured by purchase under the Quebec contracts and by the construction of new developments. When the war commenced in 1939 the excess capacity of the three southern systems—Niagara, Georgian Bay and Eastern Ontario—amounted to about 170,000 horsepower, and there was scheduled for future delivery under the Quebec contracts an additional 140,000 horsepower, or a total of 310,000 horsepower available for future growth. All but 50,000 horsepower of this power was taken before October 31, 1941, much of it in advance of schedule. The remaining 50,000 horsepower will be taken as soon as it becomes available. Arrangements were also made in 1941 to purchase an additional 82,500 horsepower from MacLaren-Quebec Power Company; 57,500 horsepower of which is for the duration of the war.

On the Niagara river additional water diversion of 14,000 cubic feet per second on the Canadian side was obtained by negotiations with the United States Government; 5,000 cubic feet per second of this additional waterflow is in consideration of the additional water to be added to the Great Lakes by the Ogoki and Long Lake diversions. This additional diversion has made available for munitions production in the Niagara system about 2,400,000 kilowatt-hours per day.

DISTRIBUTION OF PRIMARY POWER TO SYSTEMS  
20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1940	1941
	October	
Niagara system (including Dominion Power and Transmission division—66 2/3 cycle) . . . . .	1,287,936	1,536,997
Georgian Bay system . . . . .	42,217	47,273
Eastern Ontario system . . . . .	154,207	180,650
Thunder Bay system . . . . .	97,855	104,859
Manitoulin rural power district . . . . .	330	504
Northern Ontario Properties:		
Nipissing district . . . . .	5,121	5,791
Sudbury district . . . . .	17,208	19,597
Abitibi district . . . . .	164,879	185,255
Patricia district . . . . .	14,209	15,791
Total . . . . .	1,783,962	2,096,717
	December	
Niagara system (including Dominion Power and Transmission division—66 2/3 cycle) . . . . .	1,367,828	1,660,991
Georgian Bay system . . . . .	47,118	50,582
Eastern Ontario system . . . . .	153,164	181,961
Thunder Bay system . . . . .	91,488	108,633
Manitoulin rural power district . . . . .	386	550
Northern Ontario Properties:		
Nipissing district . . . . .	5,147	5,817
Sudbury district . . . . .	19,249	21,692
Abitibi district . . . . .	165,281	158,445
Patricia district . . . . .	14,826	13,941
Total . . . . .	1,864,487	2,202,612

### St. Lawrence River Project

Since last year's Report was tabled, there have been important developments relative to the St. Lawrence project. On March 19, 1941, agreements between Canada and the United States and between Canada and Ontario providing for the development of navigation and power in the Great Lakes-St. Lawrence basin were signed.

Before becoming effective, these agreements require legislative approval and their submission for approval by the Dominion parliament and Ontario legislature has been waiting upon action by the United States Congress. This has been expected from month to month, but as yet has not been forthcoming.

Delay in reaching a decision upon this important project has had unfortunate consequences entirely aside from its effect upon the earliest



DISTRIBUTION OF POWER TO SYSTEMS—PRIMARY AND SECONDARY

20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1940	1941
	October	
Niagara system (including Dominion Power and Transmission division—66 2/3 cycle).....	1,425,469	1,682,975
Georgian Bay system.....	42,217	47,407
Eastern Ontario system.....	154,207	180,650
Thunder Bay system.....	97,855	128,539
Manitoulin rural power district.....	330	504
Northern Ontario Properties:		
Nipissing district.....	5,121	5,791
Sudbury district.....	17,208	19,597
Abitibi district.....	197,453	230,965
Patricia district.....	14,209	15,791
Total.....	1,954,069	2,312,219
	December	
Niagara system including Dominion Power and Transmission division—66 2/3 cycle).....	1,579,088	1,665,282
Georgian Bay system.....	47,118	50,582
Eastern Ontario system.....	153,164	181,961
Thunder Bay system.....	92,641	134,531
Manitoulin rural power district.....	386	550
Northern Ontario Properties:		
Nipissing district.....	5,147	5,817
Sudbury district.....	19,249	21,692
Abititi district.....	208,981	224,129
Patricia district.....	14,826	13,941
Total.....	2,120,600	2,298,485

possible completion date. The uncertainty, attendant upon these delays, as to whether or not the St. Lawrence project would soon be launched has heretofore had a restraining influence upon major power development elsewhere in Ontario by the Commission. Having in mind the Commission's commitment of nearly ninety million dollars under the St. Lawrence agreement and the three-year rush construction schedule for the St. Lawrence, the undertaking of a major development on the Ottawa in addition to the St. Lawrence presented rather grave problems. These problems have received the Commission's constant attention and are now pressing for a decision.

### Additions to Generating, Transmission and Distribution Equipment

The year 1941 was one of great activity in connection with the construction of new power and storage developments and other works for the

augmentation of the Commission's power supplies and for their transformation, transmission and distribution. These increased facilities were required almost entirely in connection with the war effort of Ontario.

It will be recalled that in 1940, unit number 3 was added to the Ear Falls development in the Patricia district, and work was commenced on the Big Eddy development to serve the Georgian Bay system. The Big Eddy development now completed is situated on the Muskoka river. The plant contains two hydro-electric units of 4,950 horsepower each, under a head of 36 feet. The first unit was placed on commercial load on October 11, and the second on November 1, 1941. It is now generating its full rated output at high load factor.

Shortly after the commencement of the Big Eddy development, work was begun on the construction of the Barrett Chute development on the Madawaska river to augment the power supply for the Eastern Ontario system. This development will have a rated capacity of 54,000 electrical horsepower. At the end of 1941 the main dam was almost completed, excavation for the power canal was well advanced and work was proceeding on the headworks, penstocks and power houses. It is anticipated that the plant will be in service in July of 1942.

Closely related to the Barrett Chute development is a storage reservoir being built at Bark lake, some 65 miles upstream on the Madawaska river. The Bark Lake dam will create a reservoir impounding 300,000 acre-feet of water.

In the northwest of the Province, north of lake Nipigon, good progress has been made on the construction of the Ogoki river diversion. Waters diverted southerly from the Kenogami river, another tributary of the Albany, by means of the Long Lake diversion project, have been flowing into lake Superior throughout the year.

Another important power project commenced during the year is that at DeCew Falls, where a new 25-cycle generating plant is being built. The initial capacity of this plant will be 65,000 horsepower.

Projects of lesser magnitude undertaken during the year include storage dams on the Sturgeon river, and the maintenance and improvement of existing equipment in many places.

The most important construction work completed during the past year was the new transmission line extending from Beaudet on the Quebec-Ontario boundary, via Toronto, to Burlington. The line from Beaudet to Toronto, 275 miles, is a single-circuit transmission line on steel towers; the conductor being aluminum cable, steel-reinforced. The other portion of the line extending from Leaside Junction to Burlington transformer station is a double-circuit line on steel towers. Due to the demand for aluminum for aeroplane construction, the Commission adopted for this portion of the line, hollow copper conductors of special design.

At Burlington a transformer station was constructed and two 75,000-kv-a, 220,000/110,000-volt transformer banks were installed, together with regulating transformers and the necessary switching equipment. The third 75,000-kv-a bank of transformers has been purchased for installation in 1942.

In the areas north and east of Toronto, where great increases in population have taken place during recent years, several new 26,400-volt distributing stations were built, and on others the voltage was raised from 13,200 to 26,400 volts.

In the southeast district of downtown Toronto a new transformer station, known as the Toronto-Esplanade, is being built with two 25,000-kv-a transformers.

In the Niagara, Eastern Ontario and Georgian Bay systems, and in the districts of Northern Ontario, much additional equipment and many extensions to distribution lines were required to serve additional loads, mostly for war work, including increased mining activities, air training schools and ammunition factories.

The total mileage of transmission circuits constructed in the year comprises 365 miles of 220,000-volt lines; 30 miles of 110,000-volt lines, 120 miles of 13,000- to 44,000-volt lines and 850 miles of rural primary circuits, including certain rural extensions approved but not completed in the previous year.

#### **Rural Electrical Service**

The mileage of rural line extensions approved for construction in rural power districts in the fiscal year was 631. In all, 8,502 consumers were added. The average monthly load supplied to all rural Hydro consumers, including war industries in rural areas amounted to 81,317 horsepower, an increase of 16.2 per cent over 1940.

Before the war, and for nearly two years after the war started, the Commission provided rural electrical service to farmers on the basis of a minimum of two farm contracts per mile of line. Hydro, in fact, continued its peacetime programme of extending rural electrical service to Ontario farmers. But towards the end of the second year of the war, equipment needing aluminum, copper and steel were becoming difficult to obtain and the priority regulations of the Dominion Government were put into effect to control extensions to rural lines which involved a disproportionate amount of materials for any service given.

It is a matter for congratulation that the Commission's programme of extension in rural power districts had made such splendid progress prior to the war. Since 1936 extensions to rural electrical service have been phenomenal, and the aggregate peak load in rural power districts has more than doubled. So successful indeed has this programme of extension been that the Commission estimates that more than 80 per cent of rural citizens living within economic transmission distance of Hydro sources of supply are now being served with electricity, or have Hydro lines adjacent to their property. At the end of 1941 more than 20,000 miles of rural primary lines had been constructed to serve no less than 131,000 rural consumers. The actual expenditure on these lines and equipment is \$39,000,000, towards which the Province by grant-in-aid has contributed \$19,500,000.

#### **Research**

The Research staff of the Commission was actively engaged in solving important problems having a direct bearing upon the war effort, but its



chief work has of course been concerned with the efficient production, distribution and utilization of power so that all equipment of the Commission will render the maximum possible service.

Several members of the Laboratory staff have been released to the Government for special war research work. Their training in the Commission's Laboratories has well fitted them for this service.

#### Efficient Utilization of Hydro Service

The necessity of conserving raw materials, as well as power for Canada's war activities, has made it undesirable to promote the sale and manufacture of electrical equipment for ordinary peacetime uses. The staff of the Commission formerly engaged on this work has, however, been giving valuable aid to industry in the Province. During the year it rendered service to more than one hundred industrial plants by making plant surveys and recommendations designed to obtain maximum industrial output with the most efficient use of electrical energy. The production of essential war materials was speeded up by promoting the use of new tools, particularly in the electric heating category.

Recognizing that good lighting was essential to maximum production, the lighting requirements in industrial plants were given special study, and lighting reports were made respecting about 70 plants.

During the latter part of the year on the request of the Dominion Government, associations of allied industries not engaged on direct war work, were formed to produce war materials under the "Bits and Pieces Programme". As a member of the Public Utilities Wartime Workshop Board formed to carry out this work, the Commission is now producing under sub-contract from munition industries various pieces and parts for war equipment.

#### CAPITAL INVESTMENT

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is \$342,929,888.84 exclusive of government grants in respect of construction of rural power districts' lines (\$18,849,420.20); and the investment of the municipalities in distributing systems and other assets is \$124,304,866.00, making in power undertakings a total investment of \$467,234,754.84.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings, etc.:

Niagara system (including Hamilton street railway) . . . . .	\$233,566,610.71
Georgian Bay system . . . . .	13,838,543.06
Eastern Ontario system . . . . .	27,809,082.30
Thunder Bay system . . . . .	20,060,306.89
Office and service buildings . . . . .	3,580,051.96
Construction plant and inventories . . . . .	4,033,426.46
Total capital investments in co-operative systems . . . . .	\$302,888,021.38
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario . . . . .	39,840,658.59
Northern Ontario Properties—Construction plant and inventories . . . . .	201,208.87
Total Commission capital investments . . . . .	\$342,929,888.84
Municipalities' distribution systems . . . . .	101,038,593.29
Other assets of municipal Hydro utilities . . . . .	23,216,272.71
Total . . . . .	<u>\$467,234,754.84</u>



## RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$259,038,971.21, made up as follows:

Niagara system (including Hamilton street railway) . . . . .	\$108,861,520.57
Georgian Bay system . . . . .	6,402,992.62
Eastern Ontario system . . . . .	12,782,405.10
Thunder Bay system . . . . .	8,892,460.97
Office and service buildings and equipment . . . . .	1,256,723.86
Total reserves in respect of co-operative systems' properties . . . . .	\$138,196,103.12
Northern Ontario Properties . . . . .	11,893,525.06
Fire insurance reserve . . . . .	98,368.72
Miscellaneous reserves . . . . .	430,720.36
Employers' liability insurance, and staff pension reserves . . . . .	8,298,825.91
Total reserves of the Commission . . . . .	\$158,917,543.17
Total reserves and surplus of municipal electric utilities . . . . .	100,121,428.04
Total Commission and municipal reserves . . . . .	<u>\$259,038,971.21</u>

## Financial Operating Results for 1941

Expansion in use of power by industries producing war material caused accelerated growth of the Commission's revenues in 1941. Power sold direct to large industries aggregated \$12,600,000 on the Niagara and other co-operative systems, as compared with \$8,900,000 in 1940. Revenue from power supplied to municipalities and rural power districts, at interim rates substantially unchanged from those of 1940, increased some \$2,500,000. In the early months of the year, extended daylight-saving time acted to limit increases in maximum demands for power and in the Commission's revenue from municipalities.

For all classes of service combined, the increase in revenue was nearly \$6,200,000 or about 16.5 per cent for the four systems operated on behalf of municipalities. The increase in expense for power purchased, for operation, maintenance and administration and for interest was less than 4 per cent. This made it possible for the Commission to set aside an increased provision for reserves, particularly for the contingencies reserves. This action gives practical expression to the policy announced early in the war, of anticipating and as far as possible eliminating drastic changes in the interim rates for power during any period of post-war readjustment. At the same time it facilitates financing essential wartime construction.

The Northern Ontario Properties yielded an increase in revenue over 1940 figures of more than \$260,000. As the increase in expense for operating items and interest charges was only some \$65,000, there is an increased balance available for reserves.

## REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, aggregated \$43,596,090.39. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$5,330,992.42, making a total of \$48,927,082.81.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

## SUMMARIZED OPERATING RESULTS

## OF THE

## NIAGARA, GEORGIAN BAY, EASTERN ONTARIO AND THUNDER BAY SYSTEMS

Revenue; amount received from or billed against municipalities and other customers .....	\$38,529,886.13	
Revenue from customers in rural power districts .....	5,066,204.26	
Total revenue, systems and rural .....		\$43,596,090.39
Operation, maintenance, administration, interest and other current expenses .....	\$28,866,651.89	
Provision for reserves—		
Renewals .....	\$2,409,572.33	
Contingencies and obsolescence .....	6,109,584.66	
Stabilization of rates .....	2,601,346.37	
Sinking fund .....	2,925,745.81	
		14,046,249.17
		<u>\$42,912,901.06</u>
Balance .....		<u>\$ 683,189.33</u>

## SUMMARIZED OPERATING RESULTS

## OF THE

## NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario  
In trust for the Province of Ontario

Revenue; amount received from or billed against municipalities and other customers .....		\$ 5,330,992.42
Operation, maintenance, administration, interest and other current expenses .....	\$ 2,490,853.03	
Provision for reserves—		
Renewals .....	\$ 331,141.48	
Contingencies and obsolescence .....	345,498.96	
Sinking fund .....	1,113,782.83	
		1,790,423.27
		<u>4,281,276.30</u>
Balance .....		<u>\$ 1,049,716.12</u>

# COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

## NIAGARA SYSTEM

	1940	1941
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	7,269,376.95	7,780,692.51
Operation, maintenance and administration.....	4,882,833.80	5,130,939.35
Interest.....	10,021,929.94	10,136,550.91
Provision for renewals.....	1,653,010.50	1,743,493.19
Provision for contingencies and obsolescence.....	*2,083,787.63	5,303,314.71
Provision for stabilization of rates.....	*1,055,553.12	1,835,247.20
Sinking fund.....	2,264,519.95	2,335,878.57
TOTAL COST OF POWER.....	29,231,011.89	34,266,116.44
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	29,567,161.27	34,813,827.49
Net balance credited or (charged) to municipalities under cost contracts.....	336,149.38	547,711.05

## GEORGIAN BAY SYSTEM

	1940	1941
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	88,521.60	151,543.77
Operation, maintenance and administration.....	537,410.54	573,612.85
Interest.....	559,780.21	543,010.44
Provision for renewals.....	164,305.95	177,086.98
Provision for contingencies and obsolescence.....	* 65,359.60	222,236.76
Provision for stabilization of rates.....	* 138,700.40	150,864.80
Sinking fund.....	123,695.87	131,321.22
TOTAL COST OF POWER.....	1,677,774.17	1,949,676.82
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	1,660,138.13	1,964,178.19
Net balance credited or (charged) to municipalities under cost contracts.....	(17,636.04)	14,501.37

# COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

## EASTERN ONTARIO SYSTEM

	1940	1941
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased . . . . .	1,032,632.56	1,113,892.68
Operation, maintenance and administration . . . . .	955,611.54	1,046,413.90
Interest . . . . .	1,099,651.01	1,083,655.65
Provision for renewals . . . . .	294,695.11	324,269.78
Provision for contingencies and obsolescence . . . . .	* 82,081.93	349,889.12
Provision for stabilization of rates . . . . .	* 392,745.60	435,180.40
Sinking fund . . . . .	243,842.36	260,226.79
TOTAL COST OF POWER . . . . .	4,101,260.11	4,613,528.32
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts . . . . .	4,180,236.52	4,711,338.41
Net balance credited to municipalities under cost contracts . . . .	78,976.41	97,810.09

\*After reclassification on 1941 bases—See Reserves statements.

## THUNDER BAY SYSTEM

	1940	1941
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Operation, maintenance and administration . . . . .	344,796.85	335,698.19
Interest . . . . .	969,338.85	970,641.64
Provision for renewals . . . . .	163,818.74	164,722.38
Provision for contingencies and obsolescence . . . . .	184,273.86	234,144.07
Provision for stabilization of rates . . . . .	125,222.68	180,053.97
Sinking fund . . . . .	197,876.99	198,319.23
TOTAL COST OF POWER . . . . .	1,985,327.97	2,083,579.48
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts . . . . .	1,991,999.98	2,106,746.30
Net balance credited or (charged) to municipalities under cost contracts . . . . .	6,672.01	23,166.82



## MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities .....		\$40,323,274.25
Cost of power.....	\$25,609,038.01	
Operation, maintenance and administration.....	6,193,892.80	
Interest.....	1,013,146.09	
Sinking fund and principal payments on debentures.....	2,231,184.36	
Depreciation and other reserves.....	2,880,046.92	
Total.....		37,927,308.18
Surplus.....		\$ 2,395,966.07

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

## NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to \$83,915,039.76. The total assets, including an equity in the H-E.P.C. of \$45,610,003.56, aggregate \$147,890,783.95. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$81,345,787.41, an increase of \$6,008,228.30 during the year 1941. The percentage of net debt to total assets is 15.4, a reduction of 3.2 per cent.

The total revenue of the municipal electric utilities served by this system was \$33,048,623.86, an increase of \$2,371,179.09 as compared with the previous year. After meeting all expenses in respect of operation, including interest setting up the standard depreciation reserve amounting to \$2,272,711.62 and providing \$2,073,275.07 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Niagara system amounted to \$2,053,468.26, as compared with \$1,280,866.74 the previous year.

## GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay system utilities amount to \$3,093,288.99. The total assets, including an equity in the H-E.P.C. of \$1,697,365.75, aggregate \$5,305,237.95. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,250,099.73, an increase of \$57,987.40 during the year 1941. The percentage of the net debt to total assets is 9.9, a reduction of 1.1 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,427,900.41, an increase of \$97,540.93 as compared with the previous year. After meeting all expense in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$99,159.97 and providing \$38,241.95 for the retirement of instalment and sinking fund

debentures, the total net loss for the year for the municipal electric utilities served by the Georgian Bay system amounted to \$6,372.94, as compared with a loss of \$18,182.98 the previous year.

#### EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario system utilities amount to \$9,690,937.41. The total assets, including an equity in the H-E.P.C. of \$2,440,518.23, aggregate \$15,248,885.98. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$10,885,782.81, an increase of \$641,884.45 during the year 1941. The percentage of net debt to total assets is 8.8, a reduction of 0.9 per cent.

The total revenue of the municipal electric utilities served by this system was \$4,414,589.56, an increase of \$363,552.89 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$269,341.00 and providing \$112,576.34 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to \$340,619.93 as compared with \$290,513.86 the previous year.

#### THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,978,741.17. The total assets, including an equity in the H-E.P.C. of \$2,710,337.64, aggregate \$6,624,773.84. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,386,299.92, an increase of \$44,940.85 during the year 1941. The percentage of net debt to total assets is 11.0, an increase of 1.4 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,432,160.42, an increase of \$95,626.80 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$50,847.42 and providing \$7,091.00 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$8,250.82, as compared with a net loss of \$21,400.66 for the previous year.

\* \* \*

The past year has afforded to me and to my colleagues, Hon. William L. Houck and Mr. J. Albert Smith, many opportunities for meeting members of local commissions and officials of the Hydro utilities of partner municipalities. Personal contacts with those who govern the affairs of the local Hydro utilities were beneficial, and again we are able to record excellent co-operation and support in the difficult circumstances that characterized the second year of the war.

During the first two years of the war, industrial use of electricity in Ontario increased enormously, and the end is not yet in sight. Notwithstanding the ample reserves of power available to the Hydro at the start of the war, the combined growth of the three Southern Ontario systems exhausted all growth reserves by December 1941. During the winter of 1941-

42 Hydro had no immediate reserves of power left; all supplies were in use, and during the maximum peak load period, some minor curtailment of service for less essential uses was necessary. The Commission has taken steps to add 129,000 horsepower of new generating capacity in Southern Ontario by next December, but the capacity to be added in 1942 will do little more than equal the apparent shortage in dependable capacity that existed in December 1941.

As nearly as can be estimated the shortage of power capacity in Southern Ontario to meet the anticipated growth in demand during the winter of 1941-42, will be not less than 150,000 horsepower, and may exceed 300,000 horsepower. This shortage will have to be met by conservation and restrictions. The Commission is working in close harmony with the Dominion Power Controller and will do all that is possible to assure adequate supplies of power for essential use, and as far as possible it will minimize inconvenience to consumers.

The scarcity of materials essential to any programme of electric power expansion has necessitated strict curtailment of their use for all purposes which do not have a definite bearing on the Nation's war effort. It means also that improvements not vital to the supply of adequate service to war industries must be postponed.

In conclusion I desire to acknowledge the faithful and efficient service given by the Commission's staff in co-operating in many important ways to increase war production. Engineering designs and technical assistance have been placed at the disposal of the Dominion Government and war industry in the Province. Members of the staff have been loaned to the Dominion Government and to the University of Toronto to carry out special research work. The Commission's machine-shops have been producing tools and equipment for war industries under the "Bits and Pieces" programme. Also many of the Commission's employees are now serving in the active armed forces or in the reserve army, particularly the Royal Canadian Engineers.

Finally, I should like to thank the Press for its continued interest and support.

Respectfully submitted,

T. H. HOGG, *Chairman.*



TORONTO, ONTARIO, MARCH 31, 1942.

T. H. HOGG, ESQ., B.A.Sc., C.E., D.ENG.,

*Chairman, The Hydro-Electric Power Commission of Ontario,  
Toronto, Ontario.*

Sir:

I have the honour to submit, herewith, the Thirty-fourth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1941. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the several Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,

*Secretary*

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# THIRTY-FOURTH ANNUAL REPORT OF The Hydro-Electric Power Commission of Ontario

## FOREWORD and Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in southern Ontario. In 1907 The Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906 and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty-one years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1941 the Commission was serving 900 municipalities in Ontario. This number included 26 cities, 105 towns, 304 villages and police villages and 465 townships. With the exception of 14 suburban sections of townships known as "voted areas", the townships and 121 of the smaller villages are served as parts of 184 rural power districts.

### Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

The *Second* phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are also presented in Section IX of the Report, and a general report on their operation is given in Section III.

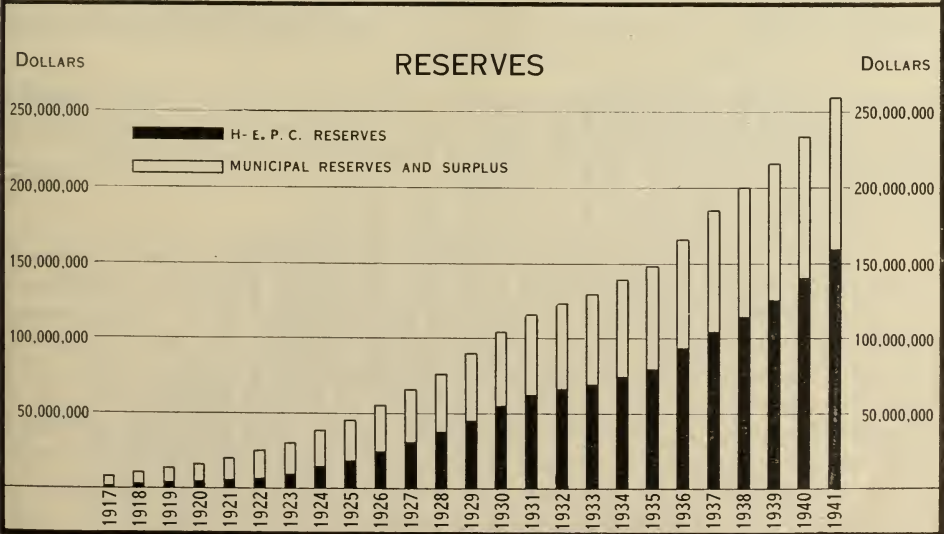
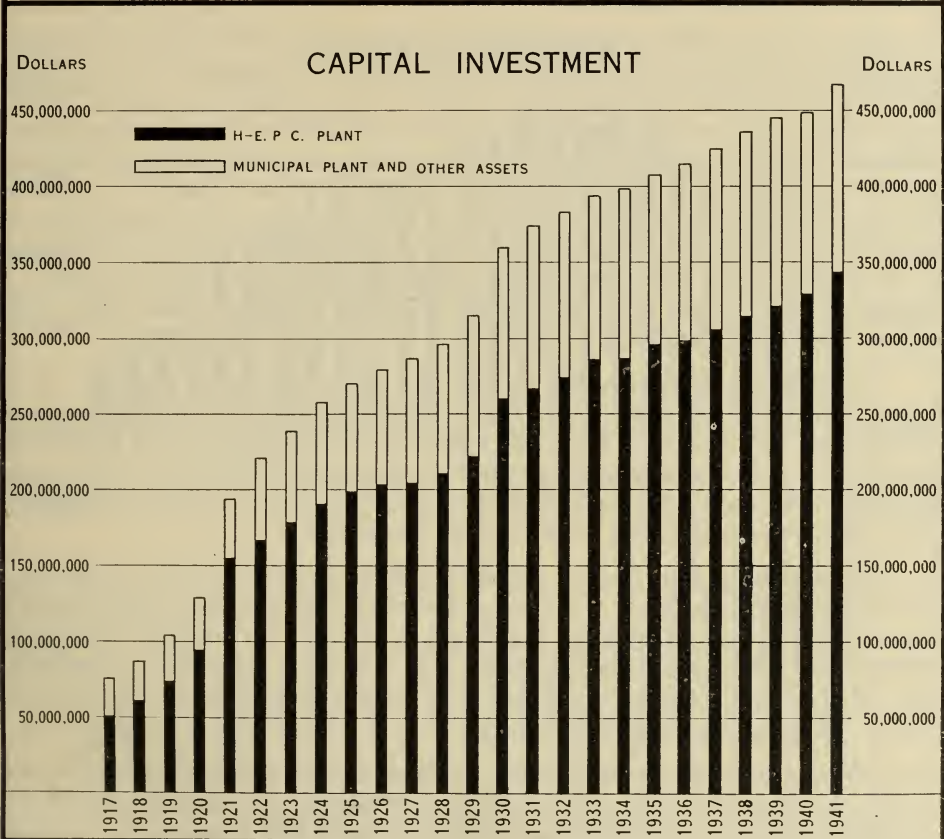
In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD—ALL SYSTEMS



Further details respecting administration, and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 91 and 175.

#### Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

*The Niagara System* is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

*The Georgian Bay System* comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

*The Eastern Ontario System* serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

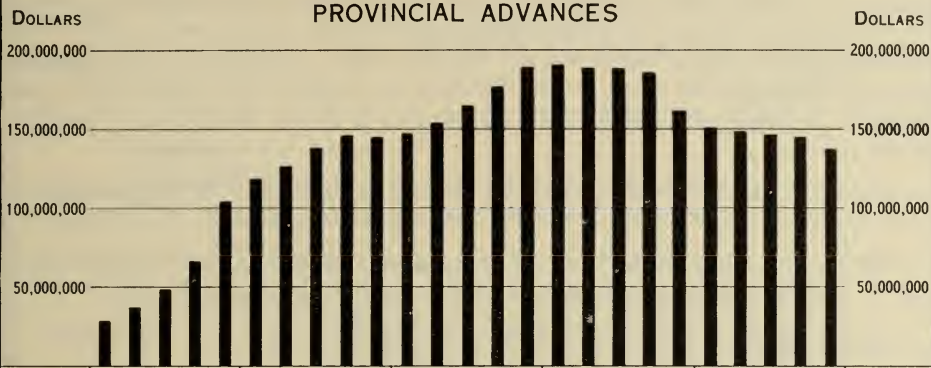
*The Thunder Bay System* comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply power.

#### Northern Ontario Properties

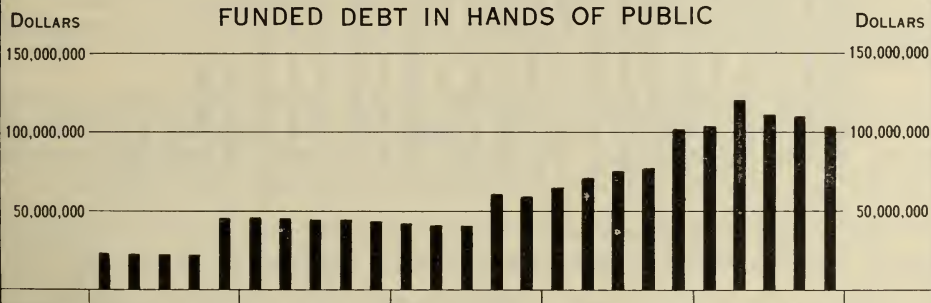
In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at present receiving service are the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Sudbury District* comprising the city of Sudbury and the adjoining mining area known as Sudbury Basin; the *Abitibi*

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO  
 PROVINCIAL ADVANCES AND FUNDED DEBT

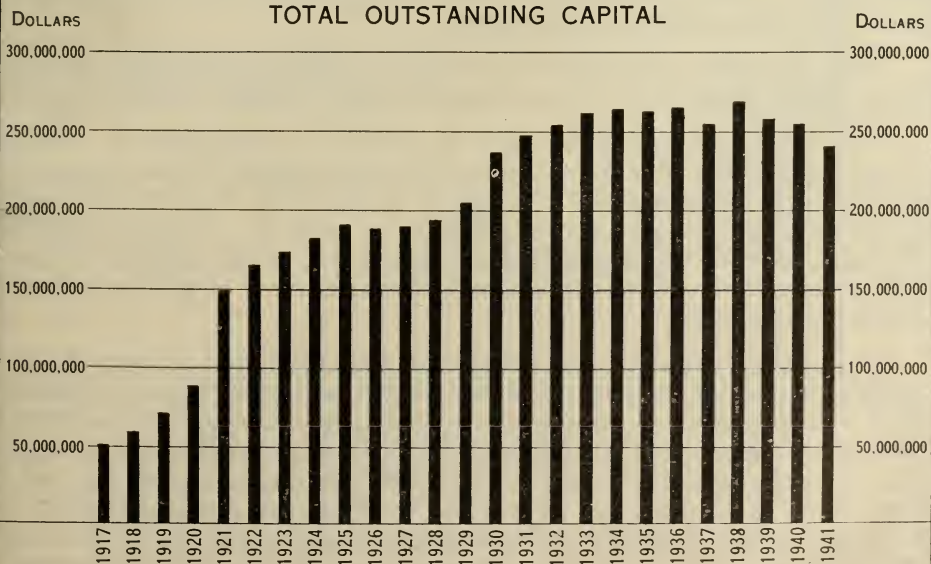
PROVINCIAL ADVANCES



FUNDED DEBT IN HANDS OF PUBLIC



TOTAL OUTSTANDING CAPITAL





*District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Patricia District* comprising the territory within transmission distance of the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river. Included in the Northern Ontario Properties are rural power districts on Manitoulin island, and others adjacent to the communities served in the various districts of northern Ontario.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and northern Ontario districts are listed in the first table of Section II of the Report on pages 6 and 7.

#### The Annual Report

The table of contents, pages xxi and xxii lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 5 to 30, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 37 to 55.

In Sections V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

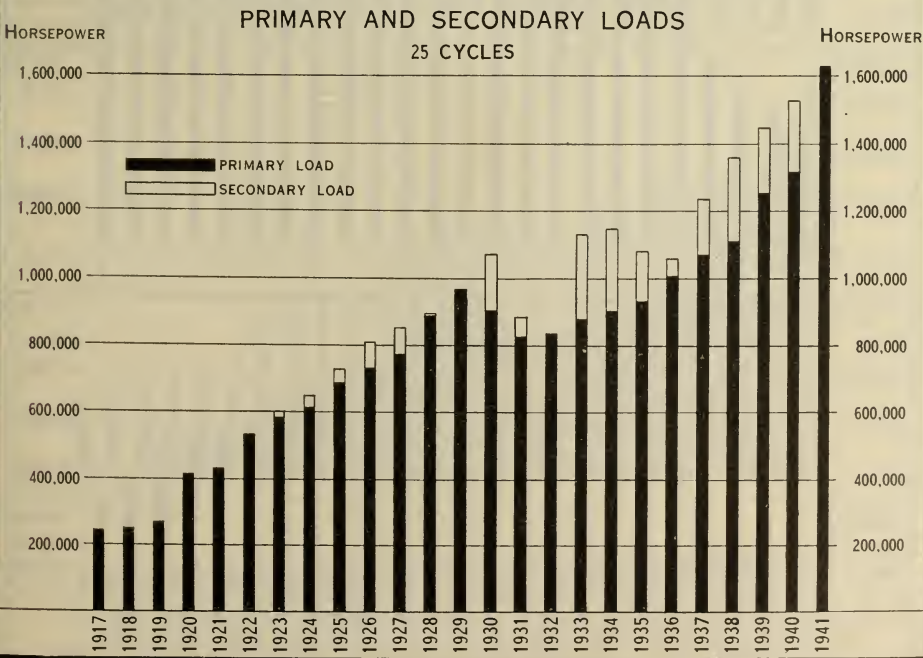
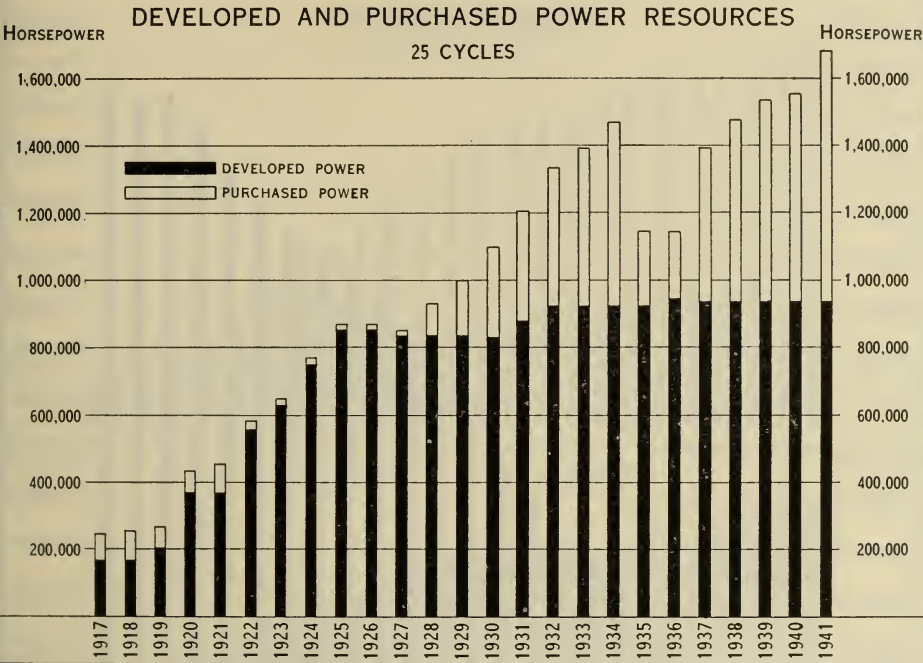
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in Statement "E" starting on page 336. For the rural power districts they are given in a table starting on page 46. Certain statistical data resulting from the application of the rates in urban utilities are given in Statement "D". This statement is prefaced by a special introduction starting on page 318.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations: In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

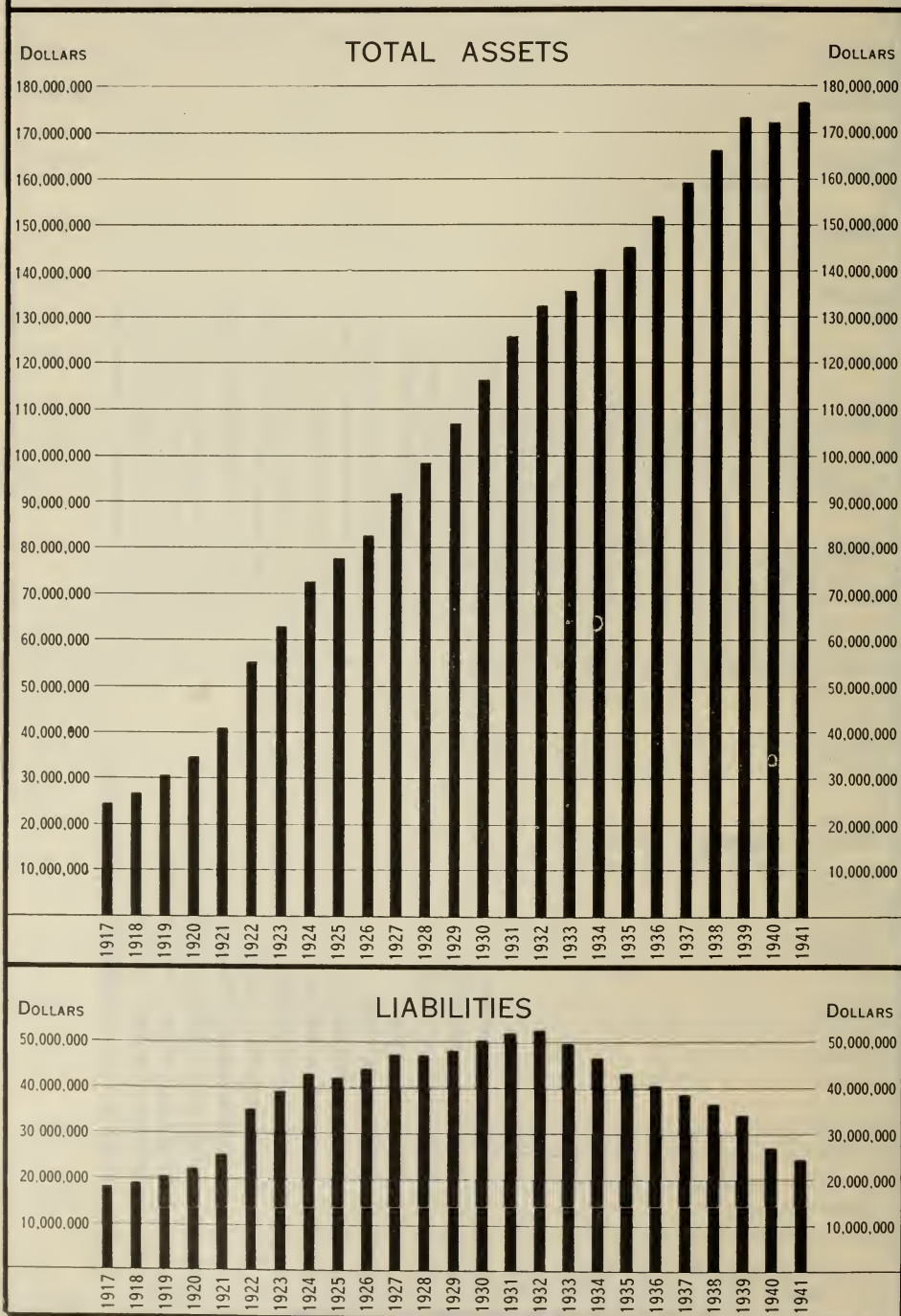
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

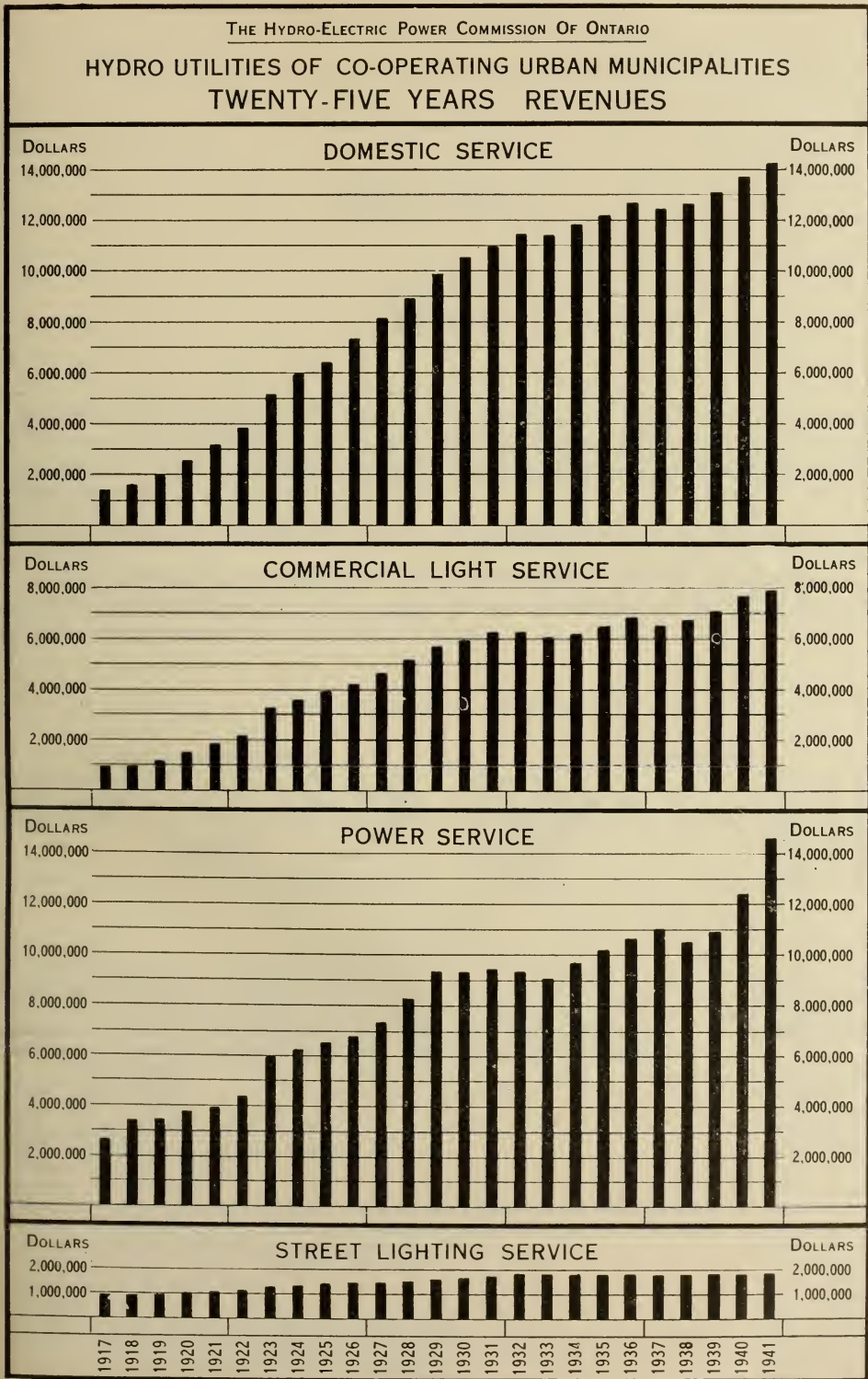
TWENTY-FIVE YEARS RECORD — NIAGARA SYSTEM





## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES  
TWENTY-FIVE YEARS RECORD





SECTION I

LEGAL

AT the 1941 Session of the Legislative Assembly of the Province of Ontario one Act respecting The Hydro-Electric Power Commission of Ontario was passed. The Act is reproduced in full in Appendix I of this Report. The short title of the said Act is as follows:

The Power Commission Insurance Amendment Act, 1941, Chapter 43.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

CO-OPERATIVE SYSTEMS

TOWNS AND VILLAGES	TOWNSHIPS
Little Current.....May 7, 1941	Osgoode.....June 23, 1941
Little Current.....July 11, 1941	South Plantagenet.....Nov. 15, 1940
Lion's Head.....Dec. 20, 1939	St. Edmunds.....Jan. 18, 1941
	Torbolton.....May 23, 1941
	Vaughan.....April 7, 1941
	Waterloo.....April 12, 1941
TOWNSHIPS	
Barton.....May 21, 1941	

CORPORATIONS

Aluminum Company of Canada Limited.....	Nov. 12, 1940
Aluminum Company of Canada Limited (Firm).....	May 21, 1941
Aluminum Company of Canada Limited (Interruptible).....	May 21, 1941
American Cyanamid Company and North American Cyanamid Limited.....	Oct. 22, 1941
American Cyanamid Company and North American Cyanamid Limited (Supplemental).....	Oct. 22, 1941
Atlas Steels Limited.....	April 19, 1941
Atlas Steels Limited.....	Sept. 29, 1941
Atlas Steels Limited.....	Dec. 5, 1941
Beaver Wood Fibre Company Limited.....	Jan. 6, 1941
Canada Strip Mill Limited.....	July 19, 1941
Canada Talc Limited.....	Jan. 25, 1941
Canadian Bridge Company Limited and Canadian Steel Corporation Limited.....	May 14, 1941
Canadian Bridge Company Limited and Canadian Steel Corporation Limited.....	Dec. 16, 1941
Canadian General Electric Company Limited.....	Feb. 18, 1941
Canadian General Electric Company Limited.....	Jan. 9, 1942
Canadian Industries Limited.....	Jan. 9, 1941
Canadian Industries Limited.....	Jan. 10, 1941
Canadian Pacific Railway Company (Contract A).....	Dec. 30, 1941
Canadian Pacific Railway Company (Contract B).....	Dec. 30, 1941
Cedar Rapids Transmission Company Limited.....	Sept. 30, 1941



## CORPORATIONS—Continued

Defence Industries Limited . . . . .	Feb. 4, 1941
Defence Industries Limited . . . . .	July 15, 1941
Dominion Foundries & Steel Company Limited . . . . .	Dec. 16, 1941
Exolon Company Incorporated . . . . .	Nov. 12, 1940
Fleet Aircraft Limited . . . . .	Oct. 14, 1941
Gair Company, Canada, Limited (Campbellford Plant) . . . . .	Mar. 12, 1941
Gair Company, Canada, Limited (Frankford Plant) . . . . .	Mar. 12, 1941
General Engineering Company (Canada) Limited . . . . .	May 6, 1941
Grand River Railway Company . . . . .	Aug. 1, 1941
His Majesty The King, represented by The Minister of National Defence . . . . .	Dec. 1, 1940
His Majesty The King, represented by The Minister of National Defence for Air . . . . .	Aug. 6, 1941
His Majesty The King, represented by The Minister of National Defence for Air . . . . .	Aug. 26, 1941
His Majesty The King, represented by The Minister of National Defence for Air . . . . .	Sept. 29, 1941
His Majesty The King, represented by The Minister of National Defence for Air . . . . .	Dec. 24, 1941
His Majesty The King, represented by The Minister of Transport (Iroquois Section, Galops Canal, Navigation Season) . . . . .	April 25, 1941
His Majesty The King, represented by The Minister of Transport (Iroquois Section, Galops Canal, Non-Navigation Season) . . . . .	April 25, 1941
His Majesty The King, represented by The Minister of Transport (Upper Entrance Section, Galops Canal, Navigation Season) . . . . .	April 25, 1941
His Majesty The King, represented by The Minister of Transport (Upper Entrance Section, Galops Canal, Non-Navigation Season) . . . . .	April 25, 1941
Howard Smith Paper Mills Limited . . . . .	July 2, 1941
Lake Erie & Northern Railway Company . . . . .	Aug. 1, 1941
Lionite Abrasives Limited . . . . .	June 11, 1941
Maple Leaf Milling Company Limited . . . . .	Mar. 12, 1941
National Steel Car Corporation Limited . . . . .	Dec. 18, 1940
Norton Company . . . . .	Oct. 29, 1941
Welland Chemical Works Limited . . . . .	Feb. 22, 1941

## NORTHERN ONTARIO PROPERTIES

Trout Creek, Street Lighting . . . . .	Aug. 26, 1941
Canada Northern Power Corporation Limited, Northern Ontario Power Company Limited and Northern Quebec Power Company Limited, amending the 1933 contract . . . . .	July 2, 1941

## RIGHT-OF-WAY AND PROPERTY

WAR activities of the Commission involving the construction of new hydro-electric developments and long main transmission lines and the general strengthening of transmission and distribution networks throughout the Province, greatly increased work in connection with the acquisition of properties and right-of-way. The following brief notes relate to the more important operations of the year.

## Niagara System

The procurement of easement rights, purchase of right-of-way and settlement of damage claims, was proceeded with for the newly completed 230,000-volt transmission line approximately 310 miles in length from Beaudet near the Ontario-Quebec border to Burlington.

The purchase of an arterial right-of-way through the metropolitan area of Toronto involved much study and analysis of probable future requirements in order to provide adequately for transmission line expansion. To provide the required clear width on this right-of-way a large number of buildings of various types had to be moved, fences also were removed or changed, and other physical adjustments made.



A right-of-way to provide an overall width of 158 feet, from Windsor east for a distance of six miles, was purchased. This will assure a permanent entrance to this rapidly expanding industrial area. Over the remainder of the distance of approximately 100 miles to St. Thomas, perpetual easement rights were secured for the construction of a new single-circuit steel tower transmission line.

The modernization and enlargement of the DeCew Falls development will affect a large number of private properties and involve purchase of property and the removal of buildings and other structures, both in St. Catharines and the adjoining municipalities.

To protect the intake waters of the Queenston development as a matter of National Defence, all privately held property was acquired on both sides of the Welland river from Hog island on the Niagara river, to Montrose. All residences, buildings and structures within the controlled zone are being removed.

The renewal of easements and purchase of right-of-way involved in certain original easements taken in 1909, which matured in 1939, were proceeded with. In the vicinity of the more rapidly growing cities of Toronto, Windsor, Kitchener, London and Woodstock, certain right-of-way was purchased outright to protect it from encroachment by these growing cities.

#### **Georgian Bay System**

To provide for the transmission of power from the Big Eddy development on the Muskoka river negotiations were conducted with the Department of Mines and Resources, Indian Affairs Branch, for the purchase of a right-of-way and certain other lands in the Gibson Indian Reserve. To provide highway access to the development and land for incidental use other property was acquired from private individuals and from the Province of Ontario.

#### **Eastern Ontario System**

Construction of the power development at Barrett Chute on the Madawaska river involved the purchase of a right-of-way for highway and transmission line purposes. A large amount of property held privately and in the Crown was procured for the various purposes involved in the undertaking including the flood level to be established.

Intimately connected with the Barrett Chute development is the storage reservoir at Bark lake, some 65 miles upstream. The construction of the Bark Lake dam raised the level of the lake and flooded highways and habitations, including many in the village of Madawaska, seven miles away, the site of which was owned by the Canadian National Railways. Extensive negotiations were required with the Department of Highways and Department of Crown Lands and private individuals. Many families were re-established in the area above the flood level. Highways also were relocated at higher levels.

Easement rights in the Eastern Ontario system were purchased for a new single-circuit steel tower transmission line between Trenton and Kingston, a distance of nearly 60 miles.

**General**

The assessment of Commission owned land has been the subject of much study and further progress was made to bring all corporate held property, gradually within the scope of the Power Commission Act.

A great deal of land survey work has been completed on Commission owned property and permanent monuments placed thereon. The effect of this policy is becoming of increasing importance and of much value in relation to all property determination.

With increased industrial activity, improvement has been noted in the leasing of Commission lands, and the collection of revenue therefrom.

A large number of transformer station sites and easement rights throughout the Province were purchased: these were directly associated with the industrial activity connected with the war.

## SECTION II

### OPERATION OF THE SYSTEMS

**D**URING the summer of 1941 more than the usual number of electrical storms occurred, causing many service interruptions which, although numerous and troublesome, were not in general of a serious nature. The other chief cause of service interruptions was high winds or gales, the most severe of which occurred on October 7 when a cyclone of limited extent struck over the right-of-way on which three of the 220,000-volt steel-tower lines carrying power from eastern sources to Toronto are located. Two towers on the north line and one each on the other two lines were wrecked, taking all three lines out of service and causing a serious power shortage in many cities and towns until one line was temporarily repaired and returned to service about sixteen hours later.

The 1941 run-off filled all reservoirs nearly to storage limits, but low precipitation during the run-off period followed by subnormal precipitation into the late summer, was a matter of grave concern to the Commission in meeting the power demand in some localities. By September heavy rains relieved the situation to a marked degree and at the close of the Commission's fiscal year water conditions on practically all storage basins were better than normal.

#### Load Conditions

The total output from all generated and purchased sources amounted to 10,466,241,618 kilowatt-hours. This is larger than the output of any previous fiscal year and exceeded that of the previous year by 8.1 per cent. The October peak load, including primary and secondary power, was 2,312,219 horsepower, the largest ever carried on the combined systems. Compared with the October peak load of a year ago it shows an increase of 18.3 per cent.

Of the total output, 8,905,010,142 kilowatt-hours were for primary power purposes. Compared with the corresponding output of the previous year this was an increase of nearly 14 per cent. Due chiefly to expanding war production, the monthly primary peak loads rose steadily above those of the corresponding months of the previous year. In October the primary peak load reached 2,096,717 horsepower, which was 17.5 per cent above the corresponding peak of a year before.



**TOTAL POWER GENERATED  
HYDRO-ELECTRIC GENERATING PLANTS**

Generating plants	Maximum normal plant capacity Oct. 31, 1941 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1939-40 horse- power	1940-41 horse- power	1939-40 kilowatt- hours	1940-41 kilowatt- hours
<b>Niagara system</b>					
Queenston-Chippawa—Niagara river . . . . .	500,000	486,595	471,850	2,740,693,000	2,657,492,000
"Ontario Power"—Niagara river . . . . .	180,000	180,295	181,635	903,501,000	1,054,829,000
"Toronto Power"—Niagara river . . . . .	150,000	130,965	137,399	176,204,000	504,741,000
Chats Falls (Ontario half)—Ottawa river . . . . .	108,000	113,941	113,941	400,814,400	451,426,150
DeCew Falls—Welland canal . . . . .	50,000	50,268	50,000	157,990,000	196,354,000
Steam plant—Hamilton . . . . .	24,000	0	0	0	0
<b>Georgian Bay system</b>					
South Falls—South Muskoka river . . . . .	5,600	5,898	5,697	25,205,880	29,068,080
Hanna Chute—South Muskoka river . . . . .	1,600	1,743	1,743	6,969,600	8,755,200
Trethewey Falls—South Muskoka river . . . . .	2,300	2,279	2,279	9,292,800	11,056,800
Ragged Rapids—Muskoka river . . . . .	10,000	10,154	10,657	35,218,500	40,602,400
Big Eddy—Muskoka river . . . . .	5,000	0	5,898	0	1,022,880
Bala No. 1 and No. 2—Muskoka river . . . . .	600	590	536	1,928,000	2,509,600
Big Chute—Severn river . . . . .	5,800	6,113	5,845	21,445,780	28,622,400
Wasdells Falls—Severn river . . . . .	1,200	1,206	1,180	3,680,000	4,560,480
Eugenia Falls—Beaver river . . . . .	7,800	7,828	7,668	11,826,800	19,889,800
Hanover—Saugeen river . . . . .	400	429	416	1,246,468	1,498,272
Walkerton—Saugeen river . . . . .	500	496	509	1,923,800	2,247,900
<b>Eastern Ontario system</b>					
Sidney—Dam No. 2—Trent river . . . . .	4,500	5,228	5,127	19,008,000	22,619,100
Frankford—Dam No. 5—Trent river . . . . .	3,500	4,424	3,961	15,347,100	16,900,700
Sills Island—Dam No. 6—Trent river . . . . .	2,100	2,252	1,287	9,960,080	6,663,280
Meyersburg—Dam No. 8—Trent river . . . . .	7,000	7,741	7,741	33,016,530	36,698,570
Hague's Reach—Dam No. 9—Trent river . . . . .	4,500	5,161	5,094	19,835,470	21,240,540
Ranney Falls—Dam No. 10—Trent river . . . . .	11,500	12,172	11,970	50,351,860	54,918,380
Seymour—Dam No. 11—Trent river . . . . .	4,200	4,390	4,424	16,835,520	19,727,040
Heely Falls—Dam No. 14—Trent river . . . . .	15,300	16,086	15,985	63,470,240	72,473,200
Auburn—Dam No. 18—Trent river . . . . .	2,400	3,499	2,882	10,776,490	11,299,080
Douro—Lock No. 24—Otonabee river . . . . .	900	871	1,052	45,450	422,400
Lakefield—Otonabee river . . . . .	2,300	2,433	2,413	8,682,410	10,367,090
Young's Point—Otonabee river . . . . .	500	496	590	24,500	422,300
Fenelon Falls—Dam No. 30—Sturgeon river . . . . .	1,000	938	891	2,730,900	3,714,800
High Falls—Mississippi river . . . . .	3,000	3,083	3,385	11,787,000	10,879,200
Carleton Place—Mississippi river . . . . .	400	0	335	0	90,410
Calabogie—Madawaska river . . . . .	6,000	6,273	6,434	16,749,270	23,404,330
Galetta—Mississippi river . . . . .	1,100	1,220	1,193	2,684,400	2,784,000
<b>Thunder Bay system</b>					
Cameron Falls—Nipigon river . . . . .	73,500	67,024	71,381	290,467,000	287,168,000
Alexander—Nipigon river . . . . .	50,000	51,877	52,145	240,124,800	236,834,400
<b>Northern Ontario Properties</b>					
<b>Nipissing district</b>					
Nipissing—South river . . . . .	2,100	2,212	2,172	6,867,180	7,134,440
Bingham Chute—South river . . . . .	1,200	1,300	1,294	3,837,520	4,286,240
Elliott Chute—South river . . . . .	1,700	1,890	1,903	2,863,800	3,448,000
<b>Sudbury district</b>					
Coniston—Wanapitei river . . . . .	5,900	5,898	5,697	21,633,600	20,083,050
McVittie—Wanapitei river . . . . .	3,100	3,217	3,083	17,294,600	17,781,050
Stinson—Wanapitei river . . . . .	7,500	7,239	7,560	19,224,000	16,590,000
Crystal Falls—Sturgeon river . . . . .	10,000	10,214	10,121	32,871,868	39,287,696
<b>Abitibi district</b>					
Abitibi Canyon—Abitibi river . . . . .	240,000	211,796	230,965	1,077,106,500	1,115,701,300
<b>Patricia district</b>					
Ear Falls—English river . . . . .	15,000	13,271	16,086	55,531,920	76,731,660
Rat Rapids—Albany river . . . . .	1,800	3,458	3,485	17,180,160	13,788,380
<b>Total generated . . . . .</b>	<b>1,534,800</b>	<b>*</b>	<b>*</b>	<b>6,564,248,196</b>	<b>7,168,134,598</b>

\* Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak load" is not totalled.



## AND PURCHASED—ALL SYSTEMS

## POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1941	Total purchased	
		1939-40 Kilowatt-hours	1940-41 Kilowatt-hours
Canadian Niagara Power Co. ....	20,000	94,151,700	95,200,600
Gatineau Power Co.—25-cycle. ....	260,000	1,196,338,740	1,190,324,700
Ottawa Valley Power Co. ....	108,000	400,814,400	451,426,150
Beauharnois Light, Heat and Power Co. ....	200,000	737,806,930	778,780,000
Maclaren-Quebec Power Co.—“Main contract” ..	100,000	313,291,000	409,275,200
Maclaren-Quebec Power Co.—“War power” .....	57,500		
Gatineau Power Co.—60-cycle delivery at 110 kv.	60,000	275,838,460	274,820,000
Gatineau Power Co.—60-cycle delivery at 11 kv..	20,000	68,848,200	72,003,600
Gatineau Power Co.—60-cycle delivery at Treadwell* ..	350	474,400	462,560
M.F. Beach Estate. ....	500	1,702,000	2,266,000
Rideau Power Co. ....	400	1,887,200	1,883,500
Campbellford Water and Light Commission. ....	800	5,577,100	5,174,800
Manitoulin Pulp Co.* .....	800	756,900	1,018,000
Huronian Co.* .....	150	313,200	397,800
Pembroke Electric Light Co. Ltd.* .....	1,000	379,200	2,297,370
Orillia Water, Light and Power Commission* ..	504	802,900	896,600
Gananoque Light, Heat and Power Co.* .....	177	296,020	352,660
Abitibi Power and Paper Co.† .....		12,886,115	780,800
Kaministiquia Power Co.† .....		9,341,760	9,776,480
Fenelon Falls Light, Heat and Power Commission†		3,600	0
Welland Ship Canal† .....		644,400	970,200
Total purchased .....	830,181	3,122,154,225	3,298,107,020
Power purchased, contract amount, 1941 .....		830,181	horsepower
Maximum normal plant capacity, 1941 .....		1,534,800	“
Total available capacity generated and purchased, 1941 ..		2,364,981	“
Total available capacity generated and purchased, 1940 ..		2,233,165	“
Difference (increase) .....		131,816	“
Total energy purchased, 1941 .....		3,298,107,020	kilowatt-hours
Total energy generated, 1941 .....		7,168,134,598	“
Total energy generated and purchased, 1941 .....		10,466,241,618	“
Total energy generated and purchased, 1940 .....		9,686,402,421	“
Difference (increase) .....		779,839,197	“

\*Purchased for delivery to remote rural power districts.

†Purchased on kilowatt-hour basis.

‡Emergency use.

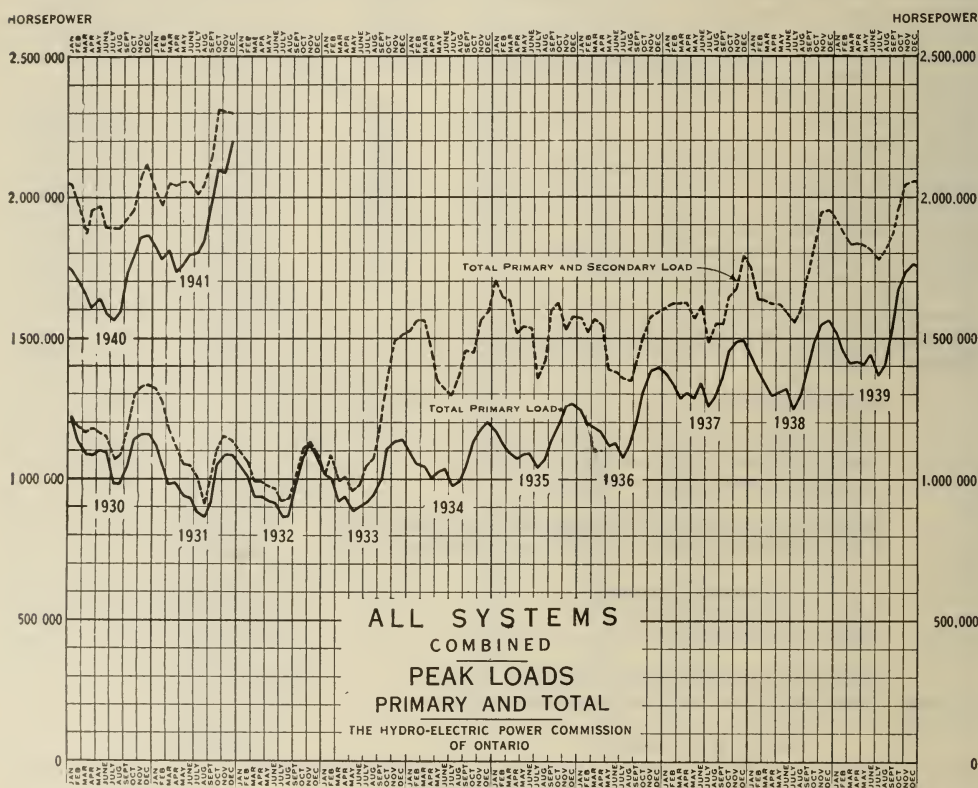
**CAUTION:** The figures for “Maximum normal plant capacity” reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed “Maximum normal plant capacity” cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed “Maximum normal plant capacity” are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

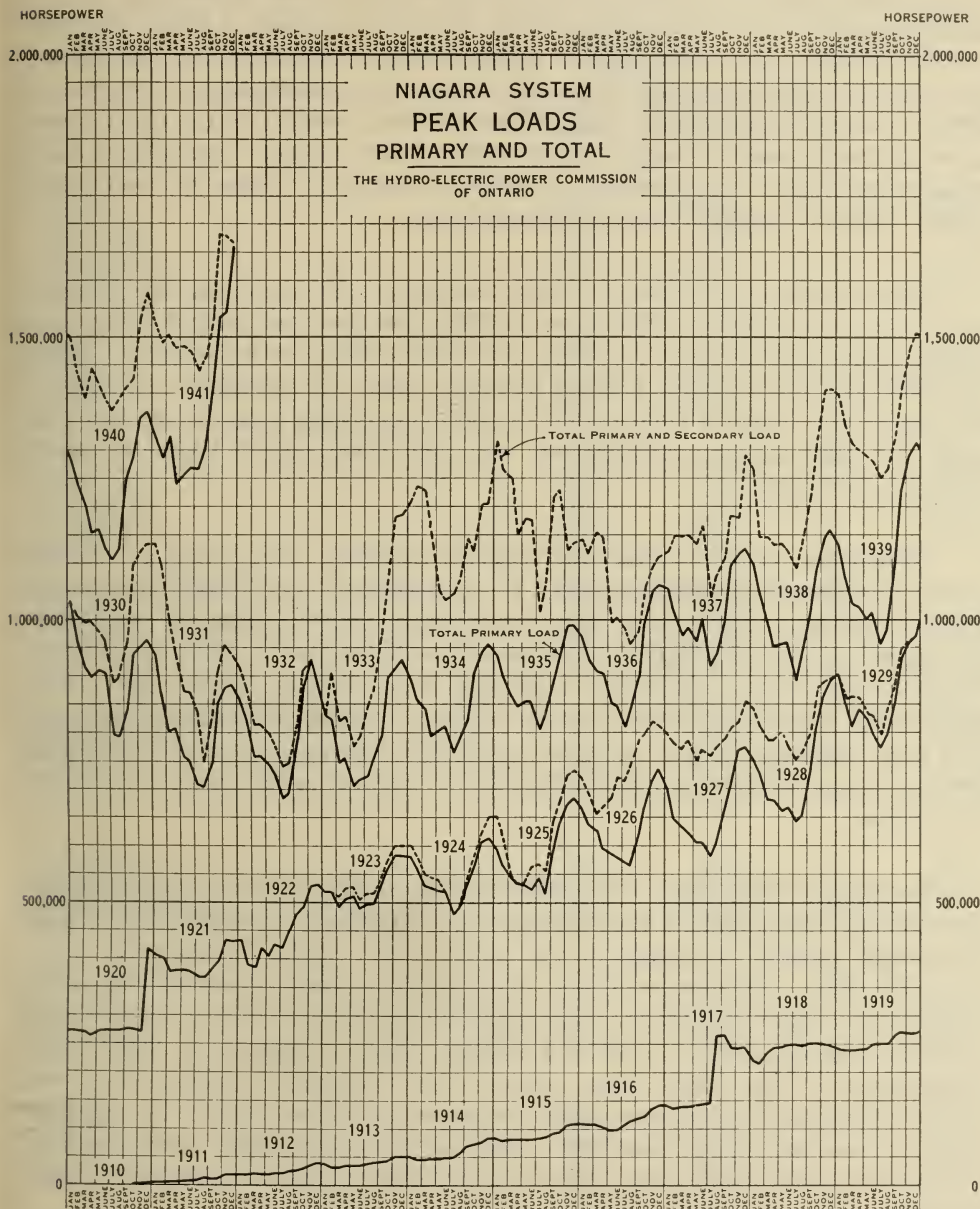
The loads of the Southern Ontario systems (Niagara, Eastern Ontario and Georgian Bay) account for most of this increase, as it is in the area served by these systems that nearly all of the province's war production plants are situated. In areas served by the Northern Ontario Properties the aggregate increase in primary load, while substantial, was not as great as in previous years.

Details regarding the load of each of the co-operative systems and of the several districts of the Northern Ontario Properties, are given in the load curves in this section of the Report.



### NIAGARA SYSTEM

The total output of energy from all sources in the Niagara system exceeded that of any previous year. Compared with the previous year it was 9.5 per cent greater. Approximately 82 per cent of the total output was supplied for primary power purposes, the balance being classed as secondary. This ratio between primary and secondary classification has not changed materially from the previous year but due to expanding war production, the greater portion of the power now classed as secondary is being used for vital war purposes and cannot be interrupted. The output of energy classed



as primary exceeded the corresponding output in the previous year by 14.1 per cent. In every month the primary peak loads were above the level of a year ago, rising sharply in the last half of the year to a maximum in October of 19 per cent in excess of the previous October.

All sources of power supply were operated to obtain the greatest possible amount of power and energy throughout the year. No serious trouble was



experienced from ice conditions during the winter at any generating station supplying power to the Niagara system. On two occasions, a power shortage on the 66-cycle Dominion Power division was avoided by the temporary purchase of 5,000 horsepower from the Department of Transport's generating station on the Welland ship canal. Natural flow conditions on the Ottawa river drainage basin averaged above normal for the year and Chats Falls generating station was operated to produce energy in excess of the Ottawa Valley Power Company contract requirements.

On November 4, 1940, the total Canadian diversion on the Niagara river was increased from 36,000 to 41,000 cubic feet per second. This was further increased on June 13, 1941, to 44,000 cubic feet per second. While no additional peak output became available from the increased diversion, it did enable the Niagara river plants to operate at higher load factors and thus meet the high energy consumption, resulting from longer hours of use in war-time production.

Impending winter power shortage necessitated the taking of eastern power in advance of contract date. By arrangement, the 20,000 horsepower due November 1, 1944, from Maclaren-Quebec Power Company was taken on August 20, and the 50,000 horsepower due November 1, 1941, from Beauharnois Light, Heat and Power Company was taken on August 28. Thus, all primary load requirements in the Niagara system were successfully met this year, although it was necessary on a few occasions over the peak-load periods in the winter months of 1941-42 to curtail power delivery to a few industries.

Except for the failure of the 220,000-volt steel-tower lines mentioned in the opening paragraph on the operation of all systems, all transmission lines functioned reliably throughout the year. The fourth 220,000-volt steel-tower line from the Ontario-Quebec boundary near the St. Lawrence to serve Toronto and Hamilton areas, was completed and service over it given to the Toronto area on April 9, and to Hamilton area on August 24, 1941. The importance of this fourth line, carried over a separate right-of-way, was fully demonstrated in October when the other three lines failed. By carrying a heavy overload on the new line, while the other three lines were disabled, service was maintained much nearer normal than would otherwise have been possible.

Operation of the transformer and distributing stations this year featured the addition of many new stations to furnish service for expanding war needs. The most important addition was the Burlington transformer station, placed in service with an initial capacity of 75,000 kv-a on August 24. On October 12, 1941, a second, three-phase transformer was added, bringing the capacity of the Burlington transformer station to 150,000 kv-a. To take care of rising loads, the capacity of many stations was increased during the year.



## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-41

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Acton . . . . .	1,240.0	1,610.2	.....	370.2
Agincourt . . . . .	219.3	233.5	.....	14.2
Ailsa Craig . . . . .	139.9	146.9	.....	7.0
Alvinston . . . . .	116.6	109.9	6.7	.....
Amherstburg . . . . .	984.4	1,092.2	.....	107.8
Ancaster Township—Voted Area . . . . .	411.2	411.6	.....	0.4
Arkona . . . . .	68.5	71.2	.....	2.7
Aurora . . . . .	1,310.3	1,389.0	.....	78.7
Aylmer . . . . .	848.1	862.1	.....	24.0
Ayr . . . . .	243.7	280.6	.....	36.9
Baden . . . . .	364.2	472.0	.....	107.8
Beachville . . . . .	567.8	655.2	.....	87.4
Beamsville . . . . .	426.3	475.5	.....	49.2
Belle River . . . . .	180.6	200.0	.....	19.4
Blenheim . . . . .	624.4	639.9	.....	15.5
Blyth . . . . .	154.5	147.8	6.7	.....
Bolton . . . . .	221.5	221.2	0.3	.....
Bothwell . . . . .	156.7	167.2	.....	10.5
Brampton . . . . .	3,143.1	3,183.3	.....	40.2
Brantford . . . . .	17,969.1	20,095.7	.....	2,126.6
Brantford Township—Voted Area . . . . .	1,012.1	1,177.7	.....	165.6
Bridgeport . . . . .	127.1	166.5	.....	39.4
Brigden . . . . .	89.8	89.5	0.3	.....
Bronte . . . . .	213.9	265.4	.....	51.5
Brussels . . . . .	173.3	170.2	3.1	.....
Burford . . . . .	257.4	249.5	7.9	.....
Burgessville . . . . .	53.1	65.0	.....	11.9
Burlington . . . . .	1,353.9	1,640.3	.....	286.4
Burlington Beach . . . . .	510.4	500.2	10.2	.....
Caledonia . . . . .	423.9	436.2	.....	12.3
Campbellville . . . . .	50.4	43.7	6.7	.....
Cayuga . . . . .	156.3	156.1	0.2	.....
Chatham . . . . .	7,446.5	7,762.7	.....	316.2
Chippawa . . . . .	341.8	382.8	.....	41.0
Clifford . . . . .	108.3	112.6	.....	4.3
Clinton . . . . .	642.0	697.3	.....	55.3
Comber . . . . .	150.8	170.6	.....	19.8
Cottam . . . . .	91.1	99.3	.....	8.2
Courtright . . . . .	49.3	55.9	.....	6.6
Dashwood . . . . .	106.3	95.8	10.5	.....
Delaware . . . . .	80.6	87.4	.....	6.8
Delhi . . . . .	755.0	779.9	.....	24.9
Dorchester . . . . .	127.9	143.0	.....	15.1
Drayton . . . . .	143.6	143.4	0.2	.....
Dresden . . . . .	474.5	439.5	35.0	.....
Drumbo . . . . .	118.9	122.8	.....	3.9
Dublin . . . . .	118.9	106.0	12.9	.....
Dundas . . . . .	2,399.1	2,868.0	.....	468.9
Dunnville . . . . .	1,342.3	1,505.8	.....	163.5
Dutton . . . . .	274.7	289.7	.....	15.0

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-1941—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
East York Township.....	8,351.7	8,592.7	.....	241.0
Elmira.....	909.1	929.6	.....	20.5
Elora.....	440.9	498.8	.....	57.9
Embro.....	118.1	131.4	.....	13.3
Erieau.....	187.7	199.5	.....	11.8
Erie Beach.....	63.3	47.4	15.9	.....
Essex.....	737.9	796.7	.....	58.8
Etobicoke Township—Voted Area.....	7,379.1	7,878.5	.....	499.4
Exeter.....	736.6	700.5	36.1	.....
Fergus.....	1,364.6	1,550.3	.....	185.7
Fonthill.....	190.6	206.1	.....	15.5
Forest.....	561.8	562.7	.....	0.9
Forest Hill.....	7,870.6	7,997.6	.....	127.0
Galt.....	9,685.1	11,445.2	.....	1,760.1
Georgetown.....	1,686.5	1,810.9	.....	124.4
Glencoe.....	239.9	226.4	13.5	.....
Goderich.....	1,581.4	1,663.7	.....	82.3
Granton.....	86.3	80.4	5.9	.....
Grimsby.....	862.7	786.8	75.9	.....
Guelph.....	11,231.2	11,732.6	.....	501.4
Hagersville.....	1,121.1	1,284.9	.....	163.8
Hamilton.....	135,555.6	159,175.7	.....	23,620.1
Harriston.....	403.0	432.9	.....	29.9
Harrow.....	616.5	644.2	.....	27.7
Hensall.....	245.4	238.1	7.3	.....
Hespeler.....	2,768.8	2,975.0	.....	206.2
Highgate.....	100.4	106.0	.....	5.6
Humberstone.....	597.9	557.9	40.0	.....
Ingersoll.....	2,856.8	3,216.6	.....	359.8
Jarvis.....	230.6	243.6	.....	13.0
Kingsville.....	766.5	762.5	4.0	.....
Kitchener.....	24,811.2	28,308.6	.....	3,497.4
Lambeth.....	149.9	173.2	.....	23.3
La Salle.....	226.6	245.0	.....	18.4
Leamington.....	2,296.4	2,060.7	235.7	.....
Listowel.....	1,334.4	1,482.2	.....	147.8
London.....	41,310.6	44,091.8	.....	2,781.2
London Township—Voted Area.....	630.0	672.5	.....	42.5
Long Branch.....	1,113.5	1,241.7	.....	128.2
Lucan.....	221.3	214.1	7.2	.....
Lynden.....	124.4	130.7	.....	6.3
Markham.....	387.4	430.0	.....	42.6
Merlin.....	125.3	120.5	4.8	.....
Merritton.....	7,314.0	8,405.7	.....	1,091.7
Milton.....	1,414.9	1,551.4	.....	136.5
Milverton.....	389.1	368.2	20.9	.....
Mimico.....	2,686.3	2,744.0	.....	57.7
Mitchell.....	717.4	743.3	.....	25.9
Moorefield.....	40.5	40.9	.....	0.4
Mount Brydges.....	115.8	113.8	2.0	.....

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-1941—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Newbury.....	42.9	34.4	8.5	.....
New Hamburg.....	631.6	658.4	.....	26.8
Newmarket.....	1,831.4	1,931.3	.....	99.9
New Toronto.....	10,436.5	11,248.7	.....	812.2
Niagara Falls.....	11,686.3	11,605.9	80.4	.....
Niagara-on-the-Lake.....	930.3	1,085.8	.....	155.5
North York Township.....	6,669.4	8,655.6	.....	1,986.2
Norwich.....	431.6	460.0	.....	28.4
Oakville.....	1,075.1	1,203.7	.....	128.6
Oil Springs.....	218.8	213.3	5.5	.....
Otterville.....	172.1	125.5	46.6	.....
Palmerston.....	591.0	628.5	.....	37.5
Paris.....	1,795.9	2,083.1	.....	287.2
Parkhill.....	211.0	234.4	.....	23.4
Petrolia.....	1,212.1	1,206.5	5.6	.....
Plattsville.....	105.4	140.3	.....	34.9
Point Edward.....	1,491.5	1,677.6	.....	186.1
Port Colborne.....	2,230.6	2,298.9	.....	68.3
Port Credit.....	822.0	922.5	.....	100.5
Port Dalhousie.....	1,057.0	1,038.3	18.7	.....
Port Dover.....	515.1	570.9	.....	55.8
Port Rowan.....	104.6	118.3	.....	13.7
Port Stanley.....	1,120.9	1,121.2	.....	0.3
Preston.....	3,504.3	3,961.0	.....	456.7
Princeton.....	143.3	150.0	.....	6.7
Queenston.....	172.4	164.3	8.1	.....
Richmond Hill.....	487.1	513.4	.....	26.3
Ridgetown.....	658.0	709.4	.....	51.4
Riverside.....	1,226.7	1,253.0	.....	26.3
Rockwood.....	128.4	130.0	.....	1.6
Rodney.....	196.2	189.9	6.3	.....
St. Catharines.....	21,407.5	26,757.4	.....	5,349.9
St. Clair Beach.....	106.5	122.6	.....	16.1
St. George.....	150.7	163.0	.....	12.3
St. Jacobs.....	331.1	359.2	.....	28.1
St. Marys.....	1,650.1	1,620.5	29.6	.....
St. Thomas.....	8,433.0	8,495.3	.....	62.3
Sarnia.....	10,386.0	11,880.7	.....	1,494.7
Scarborough Township.....	4,244.2	4,919.5	.....	675.3
Seaforth.....	635.1	799.5	.....	164.4
Simcoe.....	2,752.7	2,750.7	2.0	.....
Smithville.....	250.7	178.6	72.1	.....
Springfield.....	75.2	74.4	0.8	.....
Stamford Township—Voted Area.....	2,724.7	2,815.0	.....	90.3
Stoney Creek.....	217.7	250.1	.....	32.4
Stouffville.....	309.5	304.1	5.4	.....
Stratford.....	8,284.9	7,976.0	308.9	.....
Strathroy.....	1,463.9	1,503.1	.....	39.2
Streetsville.....	191.9	249.0	.....	57.1
Sutton.....	429.1	467.0	.....	37.9



## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-1941—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Swansea . . . . .	3,368.0	3,707.8	.....	339.8
Tavistock . . . . .	685.5	697.4	.....	11.9
Tecumseh . . . . .	548.8	603.9	.....	55.1
Thamesford . . . . .	235.6	241.3	.....	5.7
Thamesville . . . . .	250.4	281.5	.....	31.1
Thedford . . . . .	138.8	126.8	12.0	.....
Thorndale . . . . .	85.3	94.4	.....	9.1
Thorold . . . . .	2,674.9	2,635.3	39.6	.....
Tilbury . . . . .	796.2	1,062.3	.....	266.1
Tillsonburg . . . . .	1,456.7	1,558.7	.....	102.0
*Toronto . . . . .	379,541.5	381,593.8	.....	2,052.3
Toronto Township . . . . .	2,679.3	2,895.2	.....	215.9
Trafalgar Township—Voted Area No. 1 . . . . .	481.9	463.1	18.8	.....
Trafalgar Township—Voted Area No. 2 . . . . .	130.5	205.3	.....	74.8
Wallaceburg . . . . .	2,786.9	3,234.6	.....	447.7
Wardsville . . . . .	44.8	43.7	1.1	.....
Waterdown . . . . .	234.0	243.4	.....	9.4
Waterford . . . . .	513.9	569.7	.....	55.8
Waterloo . . . . .	4,573.7	5,288.9	.....	715.2
Watford . . . . .	390.6	422.6	.....	32.0
Welland . . . . .	10,983.9	12,190.0	.....	1,206.1
Wellesley . . . . .	135.1	139.5	.....	4.4
West Lorne . . . . .	205.6	250.1	.....	44.5
Weston . . . . .	4,358.7	4,765.4	.....	406.7
Wheatley . . . . .	194.1	209.8	.....	15.7
Windsor . . . . .	48,461.5	51,967.8	.....	3,506.3
Woodbridge . . . . .	617.4	683.8	.....	66.4
Woodstock . . . . .	7,989.3	8,798.6	.....	809.3
Wyoming . . . . .	94.1	91.3	2.8	.....
York Township, East—(See East York Township) . . . . .	.....	.....	.....	.....
York Township, North—(See North York Township) . . . . .	.....	.....	.....	.....
Zurich . . . . .	122.5	141.1	.....	18.6

\*York Township load was included in Toronto in 1940, but not in 1941; see below.

NOTE: The yearly peak demands of the individual municipal Hydro utilities and also of the rural power districts do not all occur during the same month of the year nor, for any given municipality or rural power district, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads.

## LOADS OF NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	July to Dec., 1941	Decrease	Increase
York Township . . . . .	Jan. 1, 1941	20,137.1	21,028.1	.....	891.0



## NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

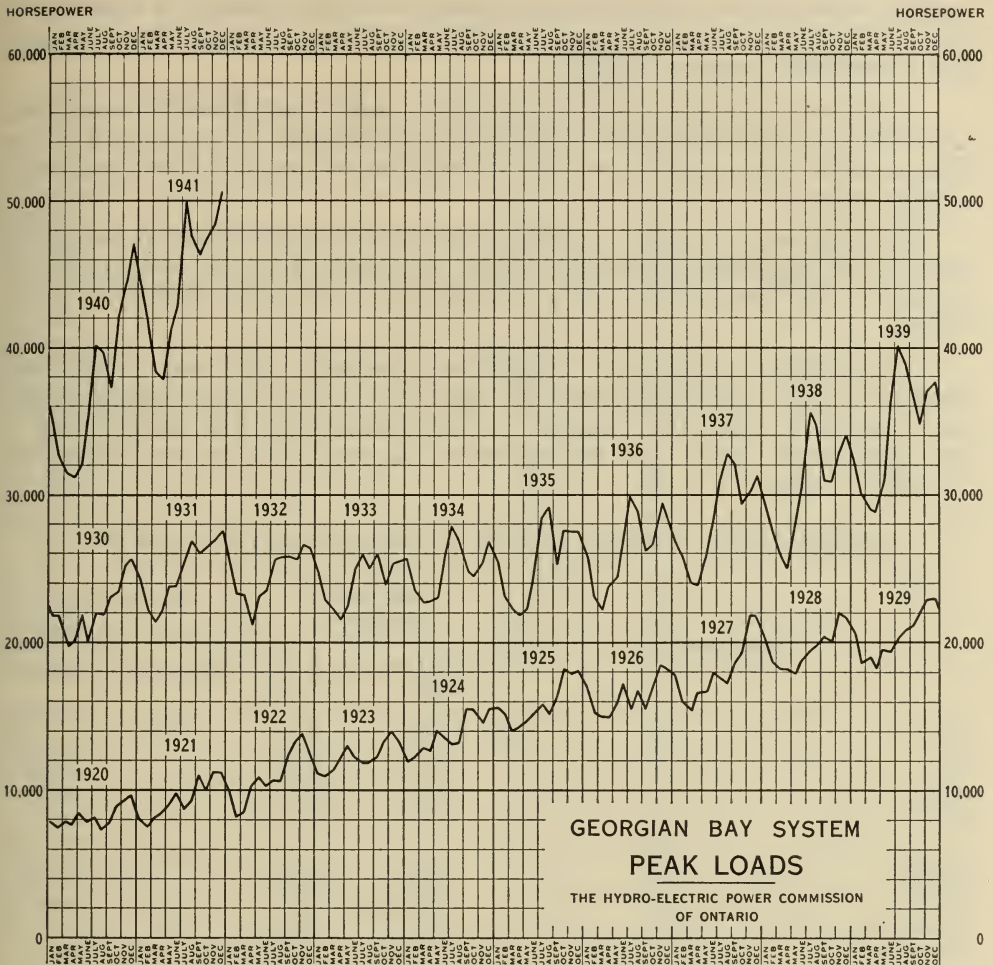
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Acton.....	25.0	30.0	.....	5.0
Ailsa Craig.....	101.7	101.6	0.1	.....
Alvinston.....	36.0	36.8	.....	0.8
Amherstburg.....	1,164.7	1,048.4	116.3	.....
Aylmer.....	942.1	1,467.4	.....	525.3
Ayr.....	81.5	82.0	.....	0.5
Baden.....	842.4	874.9	.....	32.5
Beamsville.....	2,040.1	2,336.8	.....	296.7
Belle River.....	455.1	454.8	0.3	.....
Blenheim.....	359.7	378.2	.....	18.5
Bond Lake.....	1,878.0	1,935.1	.....	57.1
Bothwell.....	432.7	422.1	10.6	.....
Brampton.....	338.6	435.2	.....	96.6
Brant.....	1,594.5	1,984.5	.....	390.0
Brigden.....	119.4	149.8	.....	30.4
Burford.....	368.2	362.8	5.4	.....
Caledonia.....	987.6	1,316.9	.....	329.3
Chatham.....	1,071.0	1,229.8	.....	158.7
Chippawa.....	188.7	207.9	.....	19.2
Clinton.....	308.6	331.8	.....	23.2
Delaware.....	665.2	741.4	.....	76.2
Dorchester.....	843.4	922.6	.....	79.2
Dresden.....	202.8	219.1	.....	16.3
Drumbo.....	353.4	347.3	6.1	.....
Dundas.....	1,150.2	1,306.6	.....	156.4
Dunnville.....	439.4	573.4	.....	134.0
Dutton.....	263.9	219.0	44.9	.....
Elmira.....	153.4	161.0	.....	7.6
Elora.....	332.9	268.9	64.0	.....
Essex.....	575.3	592.5	.....	17.2
Exeter.....	1,000.2	1,118.6	.....	118.4
Forest.....	227.6	244.8	.....	17.2
Galt.....	453.9	491.1	.....	37.2
Georgetown.....	344.6	400.6	.....	56.0
Goderich.....	687.4	811.9	.....	124.5
Grantham.....	941.8	1,117.0	.....	175.2
Guelph.....	811.4	930.3	.....	118.9
Haldimand.....	1,066.6	1,589.2	.....	522.6
Harriston.....	55.5	60.8	.....	5.3
Harrow.....	1,079.6	1,148.5	.....	68.9
Ingersoll.....	925.1	1,511.9	.....	586.8
Jordan.....	533.1	514.4	18.7	.....
Keswick.....	1,687.9	1,747.9	.....	60.0
Kingsville.....	1,502.0	1,531.1	.....	29.1
Listowel.....	489.3	554.4	.....	65.1
London.....	3,055.6	3,275.0	.....	219.4
Lucan.....	199.8	224.3	.....	24.5
Lynden.....	370.6	402.3	.....	31.7
Markham.....	946.1	1,098.1	.....	152.0
Merlin.....	329.2	351.1	.....	21.9

**NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941—Concluded**

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Milton.....	413.7	370.9	42.8	.....
Milverton.....	234.7	241.3	.....	6.6
Mitchell.....	509.4	505.0	4.4	.....
Newmarket.....	587.2	643.3	.....	56.1
Niagara.....	955.9	967.8	.....	11.9
Norwich.....	755.8	809.6	.....	53.8
Oil Springs.....	160.6	179.9	.....	19.3
Palmerston.....	185.3	226.2	.....	40.9
Petrolia.....	138.7	147.5	.....	8.8
Preston.....	1,871.1	1,997.6	.....	126.5
Ridgetown.....	677.0	670.5	6.5	.....
St. Jacobs.....	479.8	564.3	.....	84.5
St. Marys.....	799.0	866.7	.....	67.7
St. Thomas.....	2,255.4	2,501.4	.....	246.0
Saltfleet.....	1,741.0	1,932.9	.....	191.9
Sandwich.....	1,984.6	2,319.5	.....	334.9
Sarnia.....	1,280.6	1,305.8	.....	25.2
Scarborough.....	968.9	1,321.4	.....	352.5
Seaforth.....	101.4	114.4	.....	13.0
Simcoe.....	694.3	763.0	.....	68.7
Stamford.....	305.6	341.7	.....	36.1
Stratford.....	376.6	410.7	.....	34.1
Strathroy.....	359.6	363.3	.....	3.7
Streetsville.....	701.2	721.2	.....	20.0
Tavistock.....	533.9	590.8	.....	56.9
Thamesville.....	281.6	310.2	.....	28.6
Tilbury.....	492.7	427.8	64.9	.....
Tillsonburg.....	843.1	980.6	.....	137.5
Wallaceburg.....	470.3	535.9	.....	65.6
Walsingham.....	881.8	940.2	.....	58.4
Walton.....	270.9	285.7	.....	14.8
Waterdown.....	1,619.7	1,798.9	.....	179.2
Waterford.....	600.0	642.9	.....	42.9
Watford.....	181.2	178.9	2.3	.....
Welland.....	2,165.7	2,564.9	.....	399.2
Woodbridge.....	1,441.8	1,586.9	.....	145.1
Woodstock.....	1,342.2	1,341.1	1.1	.....

**GEORGIAN BAY SYSTEM**

The average primary load of the Georgian Bay system, exceeded that of the previous year by 35.7 per cent. The greater portion of this increase resulted from a comparatively large block of power supplied to the National Defence Industries at Nobel which started operations at the close of the previous year. The maximum primary peak load occurred in July and was 49,897 horsepower. Compared with the July peak load of 1940 it was 24.2 per cent greater.



The Georgian Bay system entered the year with stream flows and water storage reserves well above normal. Favourable water conditions continued up to and through the spring run-off, but a period of low precipitation created a serious water shortage in the system during the summer months. Early fall rains, however, relieved the situation and water conditions at the close of the year were better than normal.

The Hanover frequency-changer station was in constant operation throughout the year, transferring power and energy between the Niagara and Georgian Bay systems. During the summer period, transfers from the Niagara system were maintained at the full overload capacity of the Hanover frequency-changer station in order to conserve water storage reserves in the Georgian Bay system. On June 28, Mount Forest frequency-changer station was placed in operation to further assist in the water conservation programme. This station was operated continuously until September 27, when its assistance was no longer required. During the year, a total transfer of 43,982,000 kilowatt-hours was made to meet the primary needs of the Georgian Bay



system. Over the Georgian Bay system's off-peak periods, a surplus of 4,944,200 kilowatt-hours was fed back to the Niagara system, which system had a market for surplus energy.

Assistance was given the Orillia Water, Light and Power Commission to the extent of 84,066 kilowatt-hours from September 29 to the end of the Commission's year, due to low water conditions at the Gull River and Swift Rapids plants.

On October 11 the first unit was placed on commercial load at the newly constructed Big Eddy generating station near Bala. This unit has a capacity of about 5,000 horsepower, and a second unit of the same capacity is being added.

Transmission lines and transformer stations, with few exceptions, operated satisfactorily throughout the year. Of the few failures that occurred, the most serious was the breaking of 118 transmission line poles during a very high wind which was general over the entire system on November 11 and 12, 1940.

#### GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alliston .....	404.5	402.4	2.1	.....
Arthur .....	183.8	187.0	.....	3.2
Bala .....	354.4	370.0	.....	15.6
Barrie .....	4,156.0	4,305.6	.....	149.6
Beaverton .....	332.1	339.0	.....	6.9
Beeton .....	157.1	142.3	14.8	.....
Bradford .....	240.8	248.6	.....	7.8
Brechin .....	96.3	90.3	6.0	.....
Cannington .....	225.3	221.1	4.2	.....
Carlsruhe .....	5.0	5.0	.....	.....
Chatsworth .....	88.3	103.2	.....	14.9
Chesley .....	636.1	671.1	.....	35.0
Coldwater .....	144.1	152.5	.....	8.4
Collingwood .....	2,090.3	2,565.2	.....	474.9
Cookstown .....	89.6	87.0	2.6	.....
Creemore .....	170.4	160.3	10.1	.....
Dundalk .....	290.9	286.0	4.9	.....
Durham .....	427.0	469.0	.....	42.0
Elmvale .....	192.2	204.7	.....	12.5
Elmwood .....	88.2	78.9	9.3	.....
Flesherton .....	91.6	84.8	6.8	.....
Grand Valley .....	148.7	146.6	2.1	.....
Gravenhurst .....	1,254.5	1,339.5	.....	85.0
Hanover .....	1,352.1	1,434.8	.....	82.7
Hepworth .....	32.8	32.2	0.6	.....
Holstein .....	25.2	24.6	0.6	.....
Huntsville .....	1,276.4	1,325.7	.....	49.3
Kincardine .....	818.1	754.7	63.4	.....
Kirkfield .....	26.0	28.0	.....	2.0
Lucknow .....	308.4	345.8	.....	37.4
MacTier .....	157.0	146.0	11.0	.....

## GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1940-1941—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Markdale.....	202.5	203.6		1.1
Meaford.....	701.6	761.1		59.5
Midland.....	4,040.6	4,197.1		156.5
Mildmay.....	143.8	164.3		20.5
Mount Forest.....	624.9	579.5	45.4	
Neustadt.....	45.5	44.6	0.9	
Orangeville.....	719.0	795.9		76.9
Owen Sound.....	5,249.6	5,209.4	40.2	
Paisley.....	158.4	157.5	0.9	
Penetanguishene.....	925.5	1,002.0		76.5
Port Carling.....	300.0	298.9	1.1	
Port Elgin.....	529.1	590.5		61.4
Port McNicoll.....	104.7	99.6	5.1	
Port Perry.....	302.7	340.7		38.0
Priceville.....	10.0	10.0		
Ripley.....	94.8	106.8		12.0
Rosseau.....	55.3	62.9		7.6
Shelburne.....	307.2	271.0	36.2	
Southampton.....	494.5	611.7		117.2
Stayner.....	322.2	340.4		18.2
Sunderland.....	91.1	90.6	0.5	
Tara.....	125.7	122.1	3.6	
Teeswater.....	184.2	170.0	14.2	
Thornton.....	39.4	36.8	2.6	
Tottenham.....	87.2	122.2		35.0
Uxbridge.....	368.1	386.3		18.2
Victoria Harbour.....	91.7	121.6		29.9
Walkerton.....	887.3	975.5		88.2
Waubashene.....	167.6	145.2	22.4	
Warton.....	396.5	363.8	32.7	
Windermere.....	96.2	96.4		0.2
Wingham.....	616.7	701.8		85.1
Woodville.....	103.4	105.8		2.4

## GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alliston.....	208.8	229.5		20.7
Arthur.....	65.8	80.4		14.6
Bala.....	613.8	734.3		120.5
Barrie.....	837.9	882.7		44.8
Baysville.....	252.5	254.7		2.2
Beaumaris.....	647.9	720.9		73.0
Beaverton.....	498.7	516.3		17.6
Beeton.....	5.0	8.0		3.0
Bradford.....	145.6	152.1		6.5
Bruce.....	439.8	465.4		25.6

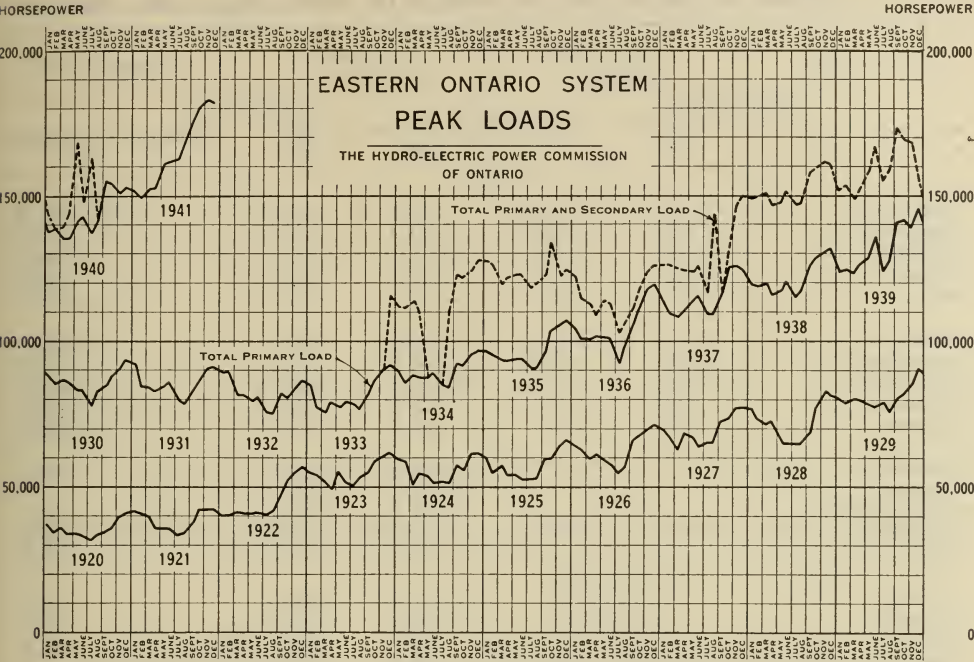
**GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941**  
—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Buckskin .....	36.0	34.0	2.0	.....
Cannington .....	126.1	130.2	.....	4.1
Chatsworth .....	30.9	32.5	.....	1.6
Cookstown .....	5.0	7.5	.....	2.5
Creemore .....	184.8	255.9	.....	71.1
Dundalk .....	46.8	59.4	.....	12.6
Elmvale .....	132.0	136.0	.....	4.0
Flesherton .....	68.3	68.3	.....	.....
Gravenhurst .....	123.9	149.4	.....	25.5
Hawkestone .....	300.3	301.6	.....	1.3
Holstein .....	24.4	29.2	.....	4.8
Huntsville .....	369.0	452.1	.....	83.1
Innisfil .....	1,054.4	1,117.7	.....	63.3
Kirkfield .....	54.5	64.8	.....	10.3
Lucknow .....	25.9	28.2	.....	2.3
Mariposa .....	286.9	309.0	.....	22.1
Markdale .....	76.2	67.9	8.3	.....
Meaford .....	191.7	194.6	.....	2.9
Medonte .....	319.5	342.9	.....	23.4
Midland .....	611.6	706.6	.....	95.0
Mount Forest .....	28.8	30.5	.....	1.7
Neustadt .....	96.2	119.4	.....	23.2
Nottawasaga .....	74.9	71.8	3.1	.....
Orangeville .....	215.6	179.8	35.8	.....
Owen Sound .....	163.6	209.7	.....	46.1
Port Perry .....	301.9	328.0	.....	26.1
Ripley .....	176.2	206.8	.....	30.6
Sauble .....	196.9	278.1	.....	81.2
Shelburne .....	76.3	96.9	.....	20.6
South Falls .....	30.0	27.0	3.0	.....
Sparrow Lake .....	436.7	399.2	37.5	.....
Tara .....	172.8	186.5	.....	13.7
Thornton .....	36.5	38.0	.....	1.5
Tottenham .....	32.5	34.5	.....	2.0
Utterson .....	264.9	279.1	.....	14.2
Uxbridge .....	199.3	185.0	14.3	.....
Wasaga Beach .....	1,109.7	1,183.0	.....	73.3
Wroxeter .....	277.4	290.9	.....	13.5

**EASTERN ONTARIO SYSTEM**

The substantial increase in the primary load recorded for the Eastern Ontario system the previous year, continued at an increasing rate through the year just past, rising to 180,650 horsepower in October. This was the largest load ever carried on this system and exceeded the October peak of the previous year by 17.1 per cent. The average primary load, when compared





with the previous year, was 18 per cent greater. From May 24 to the end of September, a small amount of seasonal power was supplied to the Aluminum Company of Canada at Kingston for electric steam boiler operation.

The growth in primary load this year on the Eastern Ontario system surpassed the resources of the system, and such shortages as occurred in power and energy were supplied by the Niagara system, either through the frequency-changer station at Chats Falls or by arrangement with the Quebec power companies for delivery of 60-cycle power to the Eastern Ontario system in lieu of 25-cycle power to the Niagara system under the 25-cycle power agreements. Over certain off-peak periods, especially during the first half of the year, surplus energy was available on the Eastern Ontario system and this was transferred to the Niagara system for sale in its markets. Thus the two systems have been operated to the mutual advantage of both.

Stream flow conditions on the rivers in the Eastern Ontario system, although subnormal during the late summer and early fall months, were on the average for the year above normal. Compared with the previous year, the output of the Commission-owned generating stations in the system was 12 per cent greater. Due to increasing demands for power, the standby generating stations at Young's Point, Carleton Place and Douro were placed in full-time operation in September. Ice conditions caused no serious trouble at the generating stations during the winter.

Operation of the transmission lines and transformer stations was satisfactory. Few failures occurred and service to all customers was maintained at a high level throughout the year. A number of new stations was added and the capacity of many of the existing stations was increased to meet the rapid growth in load.

## EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alexandria	241.2	262.3		21.1
Apple Hill	53.1	51.3	1.8	
Arnprior	1,079.1	1,124.6		45.5
Athens	133.8	154.4		20.6
Bath	47.6	49.7		2.1
Belleville	6,655.3	7,052.7		397.4
Bloomfield	145.6	153.3		7.7
Bowmanville	2,722.1	2,968.8		246.7
Braeside	281.9	381.4		99.5
Brighton	392.7	416.7		24.0
Brockville	4,443.8	4,802.9		359.1
Cardinal	364.5	354.7	9.8	
Carleton Place	1,931.2	1,989.1		57.9
Chesterville	301.9	326.5		24.6
Cobden	83.6	92.8		9.2
Cobourg	2,357.2	2,383.6		26.4
Colborne	231.4	241.8		10.4
Deseronto	165.5	191.8		26.3
Finch	116.5	112.4	4.1	
Frankford	158.6	167.2		8.6
Hastings	116.9	118.6		1.7
Havelock	176.0	156.0	20.0	
Iroquois	301.2	309.6		8.4
Kemptville	378.7	441.7		63.0
Kingston	11,023.1	13,779.3		2,756.2
Lakefield	313.0	357.9		44.9
Lanark	94.0	103.1		9.1
Lancaster	54.7	56.1		1.4
Lindsay	3,386.9	3,810.6		423.7
Madoc	217.7	210.5	7.2	
Marmora	152.0	155.2		3.2
Martintown	38.1	42.9		4.8
Maxville	113.4	119.6		6.2
Millbrook	93.3	96.7		3.4
Morrisburg	210.9	328.3		117.4
Napanee	1,295.8	1,539.0		243.2
Newburgh	46.9	53.3		6.4
Newcastle	218.0	223.3		5.3
Norwood	178.4	168.7	9.7	
Omeme	225.7	248.4		22.7
Orono	108.0	102.3	5.7	
Oshawa	18,786.2	20,053.3		1,267.1
Ottawa	33,585.8	35,107.2		1,521.4
Perth	1,633.4	1,787.5		154.1
Peterborough	11,143.5	12,773.7		1,630.2
Picton	1,198.9	1,277.2		78.3
Port Hope	2,430.1	2,500.7		70.6
Prescott	1,203.7	1,272.8		69.1
Richmond	74.1	74.8		.7
Russell	93.1	76.2	16.9	

## EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1940-1941—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Smiths Falls.....	2,555.5	2,833.1	.....	277.6
Stirling.....	320.6	314.7	5.9	.....
Trenton.....	4,366.2	5,034.8	.....	668.6
Tweed.....	343.5	266.2	77.3	.....
Warkworth.....	86.5	86.1	.4	.....
Wellington.....	230.2	244.0	.....	13.8
Westport.....	109.6	105.9	3.7	.....
Whitby.....	1,387.7	1,548.8	.....	161.1
Williamsburgh.....	149.1	149.7	.....	.6
Winchester.....	378.5	381.4	.....	2.9

## EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alexandria.....	125.7	143.2	.....	17.5
Arnprior.....	554.8	526.5	28.3	.....
Belleville.....	676.5	848.1	.....	171.6
Bowmanville.....	172.3	178.9	.....	6.6
Brighton.....	32.8	34.4	.....	1.6
Brockville.....	670.2	696.6	.....	26.4
Calabogie.....	69.7	48.3	21.4	.....
Campbellford.....	152.6	148.7	3.9	.....
Carleton Place.....	86.0	159.1	.....	73.1
Chesterville.....	510.9	595.4	.....	84.5
Cobourg.....	582.3	622.5	.....	40.2
Colborne.....	192.5	203.6	.....	11.1
Cornwall.....	37.9	46.3	.....	8.4
Fenelon Falls.....	478.1	635.3	.....	157.2
Iroquois.....	361.3	422.9	.....	61.6
Kemptville.....	48.6	43.3	5.3	.....
Kingston.....	1,225.1	1,620.6	.....	395.5
Lakefield.....	327.1	333.9	.....	6.8
Madoc.....	76.3	93.0	.....	16.7
Marmora.....	16.0	10.0	6.0	.....
Martintown.....	208.2	218.0	.....	9.8
Maxville.....	541.0	610.7	.....	69.7
Millbrook.....	120.0	124.5	.....	4.5
Minden.....	190.3	201.0	.....	10.7
Napanee.....	546.0	590.4	.....	44.4
Nepean.....	1,748.8	1,857.4	.....	108.6
Newcastle.....	146.3	133.5	12.8	.....
Norwood.....	78.2	91.3	.....	13.1
Omeme.....	35.0	40.0	.....	5.0
Oshawa.....	1,464.5	1,821.2	.....	356.7

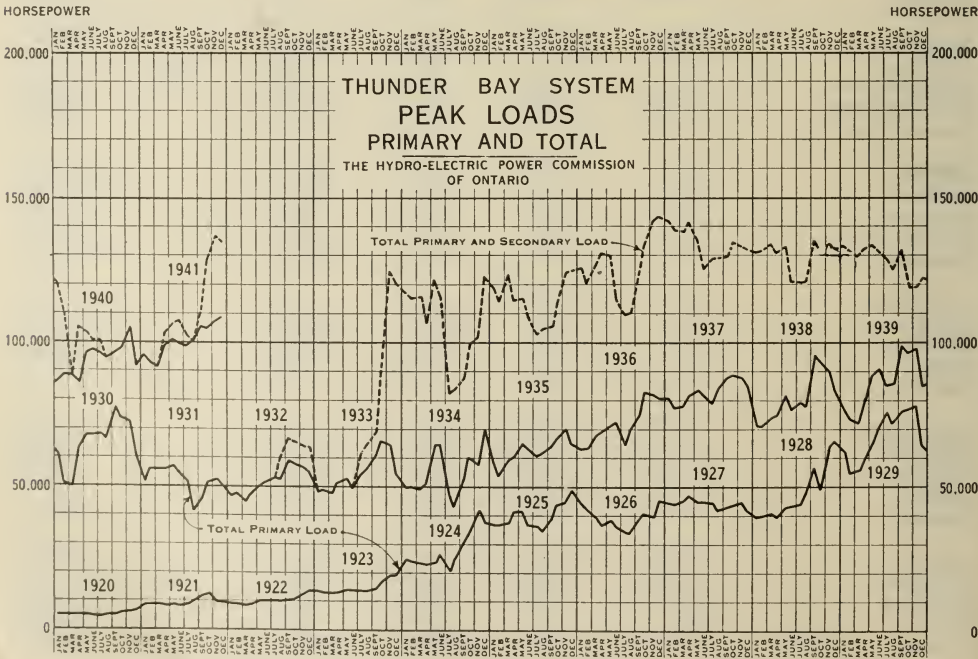


EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941  
—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Pembroke.....	654.4	1,003.7	.....	349.3
Perth.....	216.5	239.0	.....	22.5
Peterborough.....	967.9	1,025.6	.....	57.7
Prescott.....	269.5	294.8	.....	25.3
Renfrew.....	146.1	185.0	.....	38.9
Smiths Falls.....	435.5	405.5	30.0	.....
Stirling.....	169.0	213.9	.....	44.9
Sulphide.....	131.6	138.8	.....	7.2
Trenton.....	268.5	282.8	.....	14.3
Warkworth.....	44.9	57.2	.....	12.3
Wellington.....	837.0	1,191.9	.....	354.9
Williamsburgh.....	109.0	106.6	2.4	.....

THUNDER BAY SYSTEM

The primary load of the Thunder Bay system rose from 97,855 horsepower in the previous year to 105,563 horsepower, an increase of 7.9 per cent. The average primary load compared with the previous year was 6.4 per cent greater. Because of subnormal inflow to lake Nipigon, the output of the



generating stations on the Nipigon river was limited to primary power requirements until October 1941 when, as a result of a rapid rise in the elevation of lake Nipigon, water became available for the production of energy for electric steam boiler operation at the paper companies served by this system.

The precipitation in the watershed supplying the Nipigon river plants was 29.23 inches, being above average for this district. The elevation of lake Nipigon on October 31, 1941, was 852.84 as compared with 849.33 the same date in 1940.

Arrangements similar to those existing in previous years were continued in 1941 whereby the paper companies under the control of the Abitibi Power and Paper Company were permitted to transfer power for electric steam boiler operation from the Kaministiquia Power Company, a subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. However, due to the unfavorable water conditions in the Nipigon lake area, parallel operation with the Kaministiquia Power Company was intermittent until October when improvement in water conditions made continuous transfer of power possible.

No serious failure to any equipment in this system occurred and service to all customers was well maintained throughout the year.

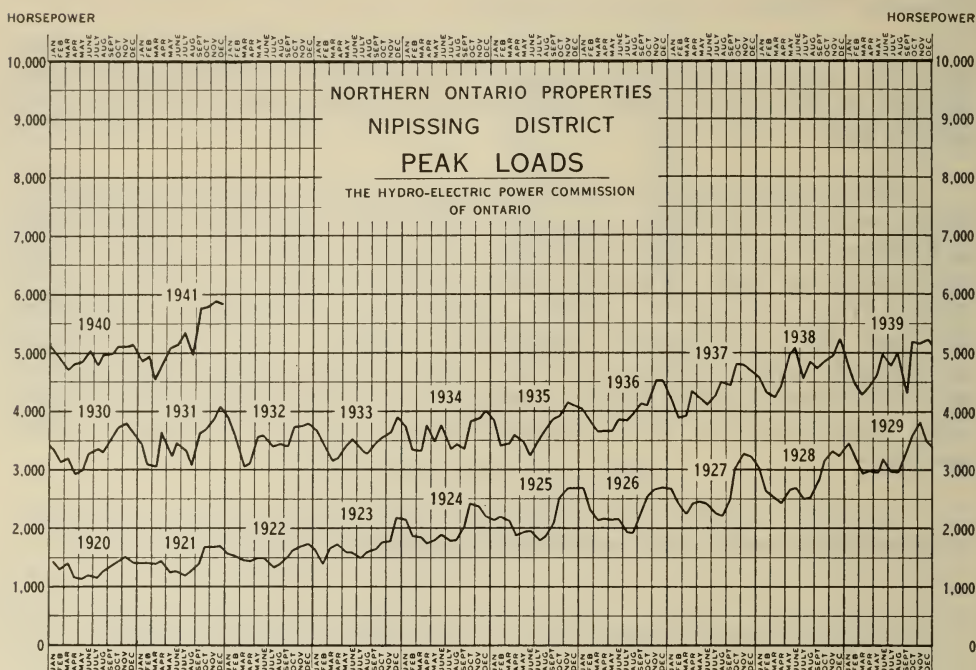
#### THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Beardmore.....	137.3	122.9	14.4	.....
Fort William.....	15,194.3	16,438.3	.....	1,244.0
Geraldton Township.....	690.3	719.4	.....	29.1
Nipigon Township—Voted Area.....	201.7	217.9	.....	16.2
Port Arthur.....	45,384.5	47,133.8	.....	1,749.3

#### THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Nipigon.....	6.0	6.0	.....	.....
Thunder Bay.....	586.0	685.7	.....	99.7

## NORTHERN ONTARIO PROPERTIES



### Nipissing District

The average load of the Nipissing district was up by 9.7 per cent. The maximum peak load was 5,791 horsepower, exceeding the October peak load of the previous year by 13.1 per cent.

Water conditions in this district averaged about normal. Except during the spring run-off in April and May, water storage and natural river flow were insufficient to generate the total power requirements and it was necessary to transfer power from the Sudbury district.

### Manitoulin District

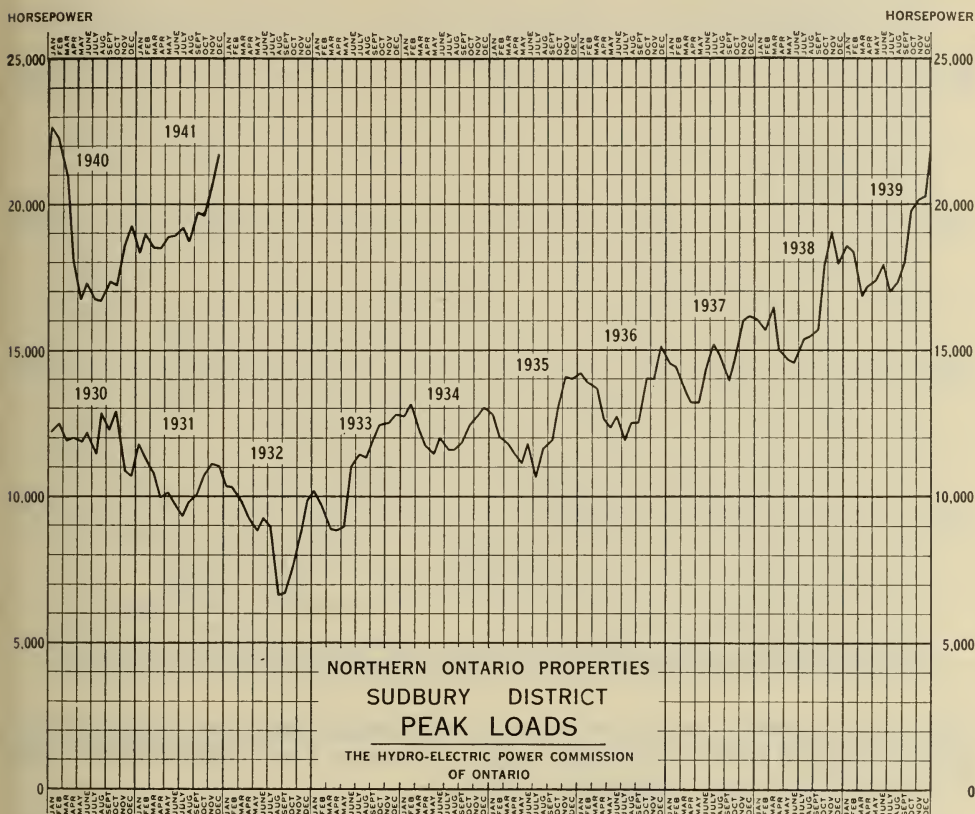
Load growth in the Manitoulin district has exceeded that of any previous year. The peak load rose from 386 horsepower in 1940 to 589 horsepower in September 1941. This large increase resulted chiefly from the incorporation of the load of Little Current previously served by a private power company.

Operating conditions were normal throughout the year. The Manitoulin Pulp Company, from whom power is purchased to supply this district, had to enlarge its plant to provide for the increase in load.



### Sudbury District

In the Sudbury district, the increase in the average load was only 2.8 per cent. This small increase reflects higher than normal load early in 1940



when a substantial block of power was supplied temporarily to the Huronian Company to augment the output of its plants during a period of low river flow. A better indication of load growth in this district is given by the October peak loads which rose from 17,208 horsepower in 1940 to 19,597 horsepower in 1941, an increase of 13.9 per cent.

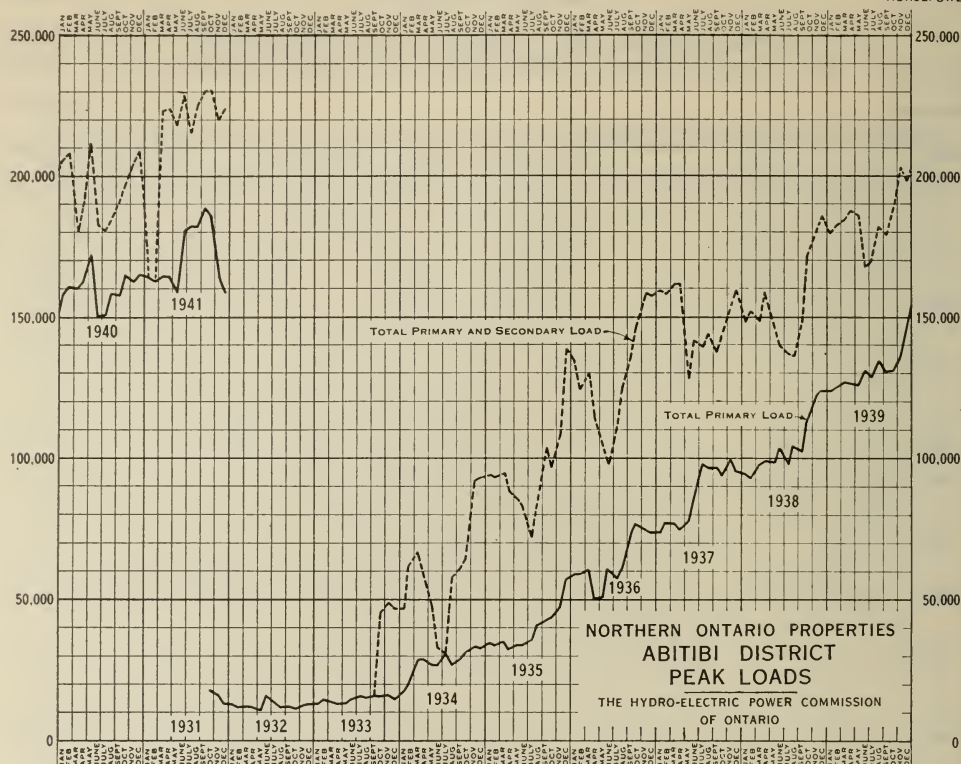
Water conditions were above normal in the Sudbury district throughout the year and no difficulties were encountered in meeting all load demands and in transferring a substantial amount of energy to the Nipissing district.

### Abitibi District

The phenomenal rate of growth which characterized the primary load of the Abitibi district for several years, slowed down in 1941. Compared with the previous year, the average primary load was 8.4 per cent greater. In the three preceding years the growth averaged about 25 per cent annually. The supply of surplus power for electric steam boiler operation at the paper mills of the Abitibi Power and Paper Company was restricted during the first half of the year. An interchange arrangement with the above company was used to advantage in the conservation of water during this period.

HORSEPOWER

HORSEPOWER



The spring run-off was adequate to fill all storage basins and, with heavy rains during the latter part of the year, more water was available than could be used at the Canyon generating station.

Operation of the Canyon generating station and all transmission lines and transformer stations was in general satisfactory throughout the year.

### Patricia District

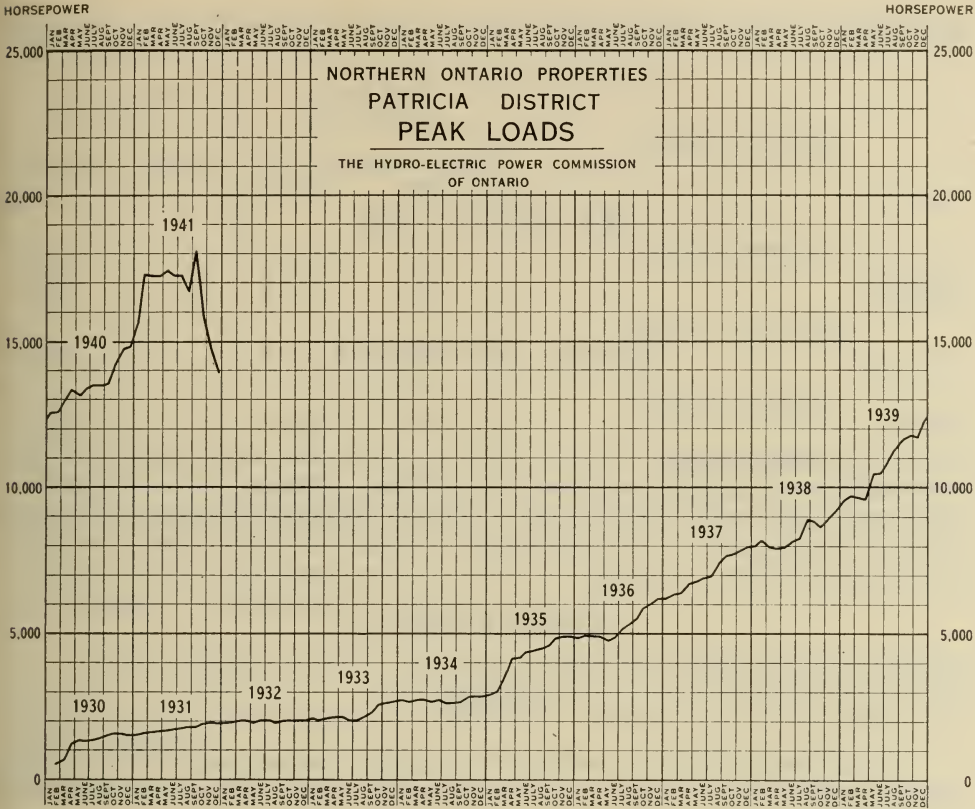
The average load of the Patricia district\* exceeded that of the previous year by 24.5 per cent. The peak load reached a maximum in July of 18,070 horsepower, being 27.2 per cent greater than in the previous year.

From the commencement of the year to February 1, the use of water at the Rat Rapids generating station was restricted in order to maintain levels in lake St. Joseph. Heavy precipitation in September resulted in flows at Ear Falls generating station that caused high tail water and consequently reduced the output at this plant. Otherwise water conditions in this district were satisfactory.

On August 6, lightning entered No. 1 generating station at Rat Rapids development, causing a fire which completely destroyed this plant.

Initial delivery of at-will power was made to the Dryden Paper Company on January 30 over a 21-mile, 44,000-volt line constructed by the customer.

\*Previously known as Patricia-St. Joseph district.



NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
NIPISSING DISTRICT				
Callander .....	154.2	138.5	15.7	.....
Nipissing .....	3.0	3.0	.....	.....
North Bay .....	4,133.2	4,664.1	.....	530.9
Powassan .....	148.0	157.1	.....	9.1
SUDBURY DISTRICT				
Capreol .....	247.2	256.3	.....	9.1
Sudbury .....	9,276.7	10,030.6	.....	753.9
ABITIBI DISTRICT				
Hislop Townsite .....	59.1	63.3	.....	4.2
Kearns Townsite .....	108.8	147.2	.....	38.4
King Kirkland Townsite .....	46.8	39.1	7.7	.....
Matachewan Townsite .....	226.5	246.4	.....	19.9
Mooretown .....	50.9	49.5	1.4	.....
Ramore-Matheson .....	137.5	139.0	.....	1.5
PATRICIA DISTRICT				
Hudson .....	91.4	93.3	.....	1.9
Red Lake Distribution .....	161.7	209.4	.....	47.7
Sioux Lookout .....	318.5	352.5	.....	34.0
Cottage Cove Townsite .....	21.8	38.1	.....	16.3



## NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
NIPISSING DISTRICT				
North Bay.....	440.1	580.0	.....	139.9
Powassan.....	77.0	87.9	.....	10.9
MANITOULIN DISTRICT				
Manitoulin.....	386.0	589.0	.....	203.0
SUDBURY DISTRICT				
Sudbury.....	443.7	639.5	.....	195.8
ABITIBI DISTRICT				
Connaught.....	138.5	332.2	.....	193.7

## MISCELLANEOUS

## Forestry

The Forestry division continued its regular transmission and rural-line clearing operations to protect the Commission's plant and service from tree interference.

The year's maintenance operations involved treatment of 90,800 trees and 3,111 pole spans of underbrush spread over 2,365 miles of power transmission, telephone and rural distribution lines.

Tree clearance was also obtained for approximately 29 miles of line in connection with the construction of new transmission and rural lines and the rehabilitation of certain existing lines. This work necessitated the treatment of 1,122 trees.

Line clearing operations were performed for fourteen municipal Hydro systems in the Niagara, Georgian Bay and Eastern Ontario systems. This work involved treatment of 3,059 trees spread over 38 miles of local primary and secondary lines.

## SECTION III

### MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists municipal officials to purchase, construct or extend distribution systems. As provided under *The Power Commission Act*, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

### NIAGARA SYSTEM

Under the terms of contracts entered into during the fiscal year 1938, the Commission took delivery during the year of the following additional amounts of power from:

	<i>Horsepower</i>
Beauharnois Light, Heat and Power Company and Coteau Rapids Transmission Company Limited.....	50,000
Maclaren-Quebec Power Company and The James Maclaren Company Limited.....	20,000
Total additional power taken.....	70,000
A further agreement was completed with the Maclaren-Quebec Power Company for the delivery of 57,500 horsepower for the duration of the war.....	57,500
	127,500

The total average load sold to all customers, including war industries, showed an increase of 21.2 per cent. Loads in urban municipalities increased by 8.5 per cent and in rural power districts by 14.5 per cent.

**Engineering Assistance to Municipalities**

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

**Brantford**—The changeover from 60- to 25-cycle supply was completed. Substation capacities also were increased.

**Burford**—The capacity of the distribution system was increased.

**East York Township**—Primary feeders from a third distributing station were provided. These local stations now supply about two-thirds of the total power demand, the Toronto Hydro-Electric System continuing to supply the balance pending the installation of two additional stations when the entire requirements of East York township will be supplied from local stations.

**Elmira**—Three 200-kv-a, 2,200/550-volt power transformers were purchased and installed to supply a new industrial load.

**Georgetown**—A building on the main street was purchased and remodelled for use as a local Commission office.

**Grimsby**—Remodelling of the distribution system for supply of 25-cycle power was completed. Information has also been supplied regarding the purchase of the local system by the municipality.

**Kitchener**—The new unit-type substations purchased last year were installed and will be in operation early in 1942.

**London**—A new 13,200-volt line was constructed to supply a new substation of 500-kv-a capacity which will supply loads south of the river.

Two additional 300-kv-a, 13,200-volt underground substations were installed to give service at 120/208 volts to the downtown network.

The second water-heater current-carrier control system was installed to operate from the Central Avenue substation. This will now take 500 horsepower off peak and have an ultimate control capacity of 1,000 horsepower.

**London Township**—A pilot-control system was installed at a cost of approximately \$1,600. This will control 113 water heaters.

**Merritton**—Increased transformer capacity was arranged for to supply war loads.

**Mimico**—Arrangements were made for an improved power supply and additional primary circuits.

**New Toronto**—Additional primary feeders to supply increased power demands were provided, a portion of these will be placed underground.

**Niagara Falls**—Two additional substations were constructed to improve the capacity of the distribution system.



**Niagara-on-the-Lake**—Plans were submitted for the remodelling of the distribution system and increasing the substation capacity.

**North York Township**—Owing to the rapid growth in both domestic and industrial demands additional primary circuits were provided.

**Paris**—Additions were made to the substation.

**St. Catharines**—Negotiations were completed for the purchase by the St. Catharines Public Utilities Commission of the Lincoln Electric System.

To take care of increased industrial loads a new substation and increased system capacity were provided.

**St. Marys**—The capacity of the municipal substation was increased by the installation of an additional 750-kv-a, three-phase, 13,200/2,220-volt transformer, and three new 2,200-volt oil switches were installed on the switchboard.

**St. Thomas**—A new 13-200-volt feeder line and a new substation of 600 kv-a capacity were installed to give service to an industrial firm.

**Sarnia**—Additional capacity was provided by the installation of one 3,000-kv-a transformer in substation No. 2.

**Stratford**—One and one-half miles of three-phase, 26,400-volt armoured cable were installed by the local Commission, between the Commission's high-tension station and the municipal substation.

A 1,500-kv-a, three-phase transformer was purchased, also additional substation equipment.

**Streetsville**—Arrangements were made for increasing line and transformer capacity to provide for the growing commercial and domestic lighting demands.

**Tilbury**—Work was completed on a new Hydro office and stores building situated on the main business street of the town. Approval for an expenditure of \$10,000 of the surplus funds of the local Commission was granted early in the year.

**Tillsonburg**—The low-tension portion of the local municipal substation was completely overhauled and new breakers and switches installed.

**Welland**—Operating conditions in No. 1 station and in the distribution system were improved in order to supply war loads.

**Weston**—Power supply was changed from 13,200 to 26,400 volts and additional station capacity was provided for some of the larger power users.

**Windsor**—To improve the service to consumers and to provide capacity for increased load for the manufacture of war munitions, work was commenced on two new substations; one in the west, having a capacity of 6,000 kv-a, and the other in the easterly part of the city, having a capacity of 9,000 kv-a.

**Woodstock**—The voltage was changed from 13,200 to 26,400 volts. A new 750-kv-a, 26,400-volt, step-down station was installed to serve a large industrial firm.

**York Township**—The management of the distribution system was taken over from the Toronto Hydro-Electric System as of January 1, 1941, and assumed by the Township Council. A staff had been organized for this purpose and housed temporarily, pending the construction of a new office building. Some assistance was given in establishing this organization and arranging for power supply to the larger users.

### GEORGIAN BAY SYSTEM

The new power developments, at Big Eddy, on the Muskoka river, with an installed capacity of 10,000 horsepower, was placed in operation at the beginning of the year. Due to load increase on the system and to low precipitation and resultant restricted stream flow throughout the district affecting the output of the other generating plants, the full capacity of this additional source of supply was taken up immediately.

The total average load sold to all customers, including war industries, showed an increase of 24.9 per cent. Loads in urban municipalities increased by 9.3 per cent and rural power districts by 11 per cent.

General engineering assistance was given to all urban municipalities of the Georgian Bay system respecting the operation and management of their local Hydro utilities. Certain municipalities received special assistance respecting matters briefly mentioned below:

**Creemore**—Plans were prepared, submitted and approved, and funds appropriated covering a complete rehabilitation of the local distribution system.

**Grand Valley**—The local distribution system was extended to serve a large industrial consumer. The controls for the street-lighting system were re-arranged.

**Thornton**—A complete rehabilitation of the local distribution system was made.

### EASTERN ONTARIO SYSTEM

The rapid increase in load growth that began in 1940, chiefly on account of industrial requirements for the manufacture of munitions, continued throughout 1941.

The total average load sold to all customers, including war industries, increased 14.4 per cent. Loads in urban municipalities increased 9.3 per cent and in rural power districts by 22.5 per cent.

All of the available power resources of the Eastern Ontario system were utilized to their full capacity to meet the requirements of this system's customers, and throughout the year an additional supply was obtained from the Niagara system through the frequency-changer at Chats Falls. The full capacity of the new generating plant, now under construction at Barrett Chute will be required when the plant is ready for service. This is expected to be in the summer of 1942.

Engineering assistance was given to municipalities in connection with the operation and management of their local Hydro utilities. Increased transformer installations were needed by many. Certain municipalities received special engineering advice and assistance regarding matters referred to below:

**Kingston**—Plans for a new substation and for changes and additions to the distribution system were made. A new contract was drawn up for power supply to a war industry.

**Lancaster**—Extensive re-construction of the distribution system was undertaken.

**Martintown**—Specifications and estimates were prepared for the re-construction of portions of the distribution system.

**Napanee**—The Public Utilities Commission is installing high-frequency control of flat-rate water heaters throughout the town.

**Oshawa**—Arrangements were made for additional capacity at 4,000 volts in the new transformer station and for duplicate supply lines to a large industry.

**Peterborough**—Increasing war loads have greatly added to the amount of power taken by this municipality and have necessitated large expenditures on the local distribution system. Wartime Housing Limited are constructing a large number of houses for war workers, for which extensive additions to the distribution system were made.

**Smiths Falls**—Improvements were made to the local substation and to the power supply to a war industry.

**Trenton**—The Public Utilities Commission is installing a 750-kv-a substation to serve the eastern portion of the town.

### THUNDER BAY SYSTEM

In the Thunder Bay system large blocks of power are being utilized for munitions and shipbuilding purposes at Port Arthur and Fort William, and although the grain trade has been curtailed, the pulp and paper industry which utilizes about fifty per cent of the system power, has changed from part-time to full-time operation. The net result is a substantial increase in the energy and peak demands on the system.

Due to heavy rainfalls in the Nipigon watershed during the late summer and fall months, stream flow conditions on the Nipigon river improved to such an extent that the Commission was able to resume the sale of surplus power for electric-steam generation at pulp and paper mills, previously curtailed on account of low water conditions, in consequence of which all of the generating equipment at the Nipigon developments was loaded to capacity during the latter portion of the year. Thus, there has been a considerable increase in load sold over the previous year, amounting to 6.9 per cent.



Engineering assistance concerning local operating problems was given to the Port Arthur, Fort William and Nipigon village Commissions, and all the operating mines in the district were visited periodically for the purpose of rendering assistance in power supply problems.

Special assistance was rendered as follows:

**Fort William**—Plans were submitted for changing the local distribution system from 2,300 volts "delta" to 2,300/4,000 volts "Y", and also concerning the construction of a feeder to serve a large munition plant.

**Nipigon Village**—Rehabilitation of the local distribution system to provide for load growth and better service to consumers, was carried out by the Thunder Bay district rural staff.

### NORTHERN ONTARIO PROPERTIES

The total load sold in the area served by the Northern Ontario Properties was 209,897 horsepower, an increase of 20,124 horsepower or 10.6 per cent over the previous year.

The Northern Ontario Properties is concerned chiefly with the supply of power to mining areas and to communities dependent upon the mines. The cities of North Bay and Sudbury and the towns of Capreol and Sioux Lookout own and operate their own local distribution systems, purchasing power from the Commission at fixed rates.

Engineering assistance concerning power supply problems was given to these cities and towns, and the various mining properties were periodically visited during the year for the same purpose.

#### **Nipissing District**

The load increase in this district over the previous year was 7.2 per cent.

#### **Sudbury District**

The load increase in the Sudbury district was 1.5 per cent, but the city load increased 3 per cent over the previous year.

#### **Abitibi District**

The total load sold in this district was 168,123 horsepower, an increase of 15,698 horsepower or 10.3 per cent over the previous year.

#### **Patricia District**

Due to the closing down of all operations at the Howey and Gold Eagle mines in the Red Lake mining area the load sold in this district was considerably affected. The sale of power to the Dryden Paper Company, however, which was supplied for the first time during the year, together with load increases by various other mines served resulted in an actual increase of 27.3 per cent over the previous year.

## RURAL ELECTRICAL SERVICE IN ONTARIO

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**D**URING the year 1941, the Commission was unable to undertake large rural extensions, due to the necessity of conserving construction material for war purposes. Near the end of the year most rural construction closed, except where service was required in connection with war industries. However, before these more complete restrictions were made effective, service was given from existing primary lines and short extensions to a substantial number of rural consumers.

The land area of the Province of Ontario extends over a vast territory of 363,282 square miles, of which about 35,700 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission, or in adjacent areas within transmission distance of the Commission's power supply, is approximately 1,100,000.

There are 184 operating rural power districts, and power is delivered to approximately 131,500 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 434 organized townships; 21 unorganized townships and 119 police villages, villages and towns, and are served over a network of rural primary lines which aggregate 20,104 miles. In addition to the 455 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

During the past year the mileage of rural line extensions approved for construction in rural power districts in Ontario was 631. In all, 8,502 consumers were added. The aggregate load supplied to all rural Hydro consumers, including war industries in rural areas, in the Province amounted to 81,317 horsepower, an increase of 16.2 per cent over 1940.

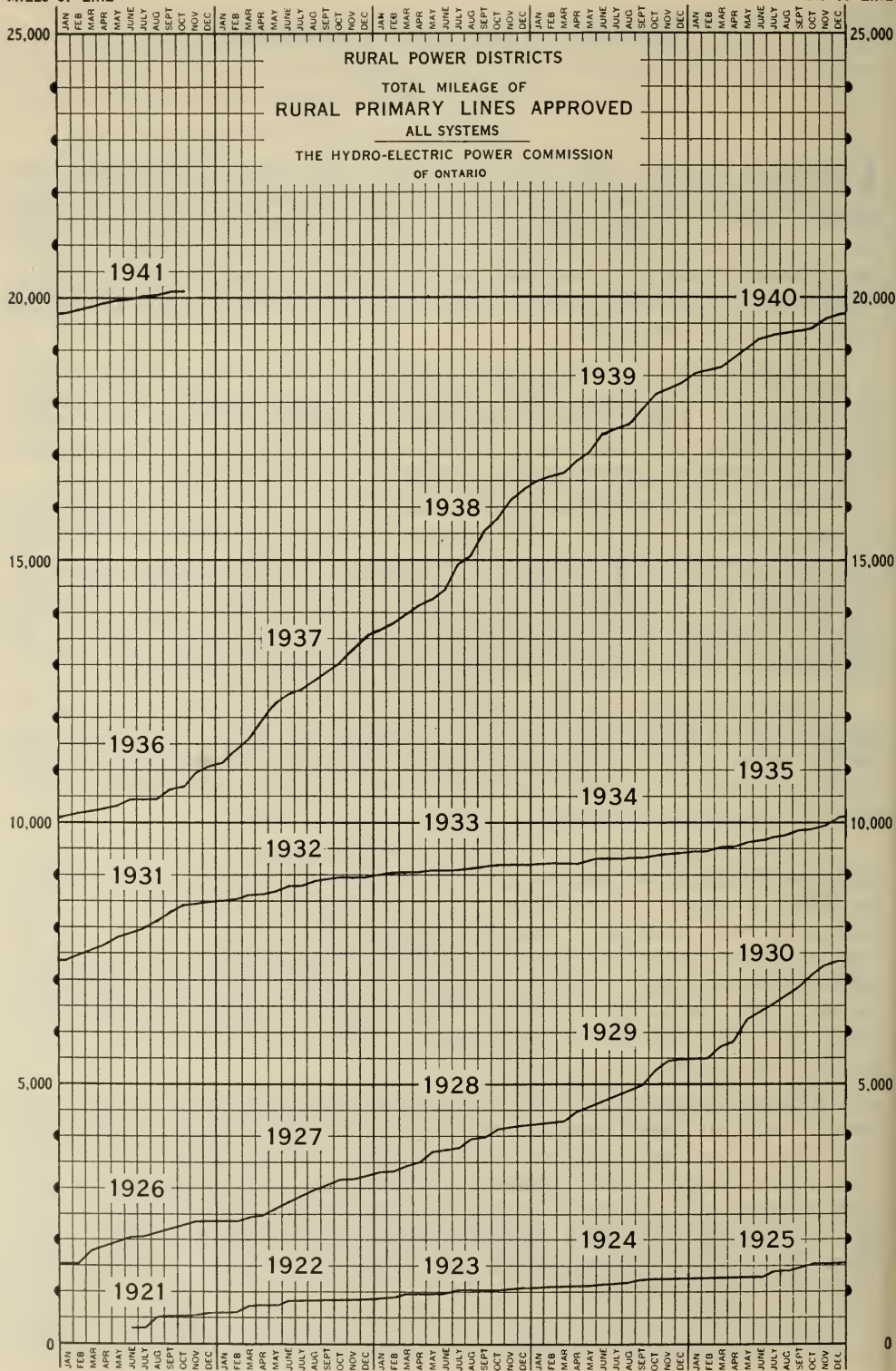
Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres, or larger. It would be erroneous however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.

During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line, the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

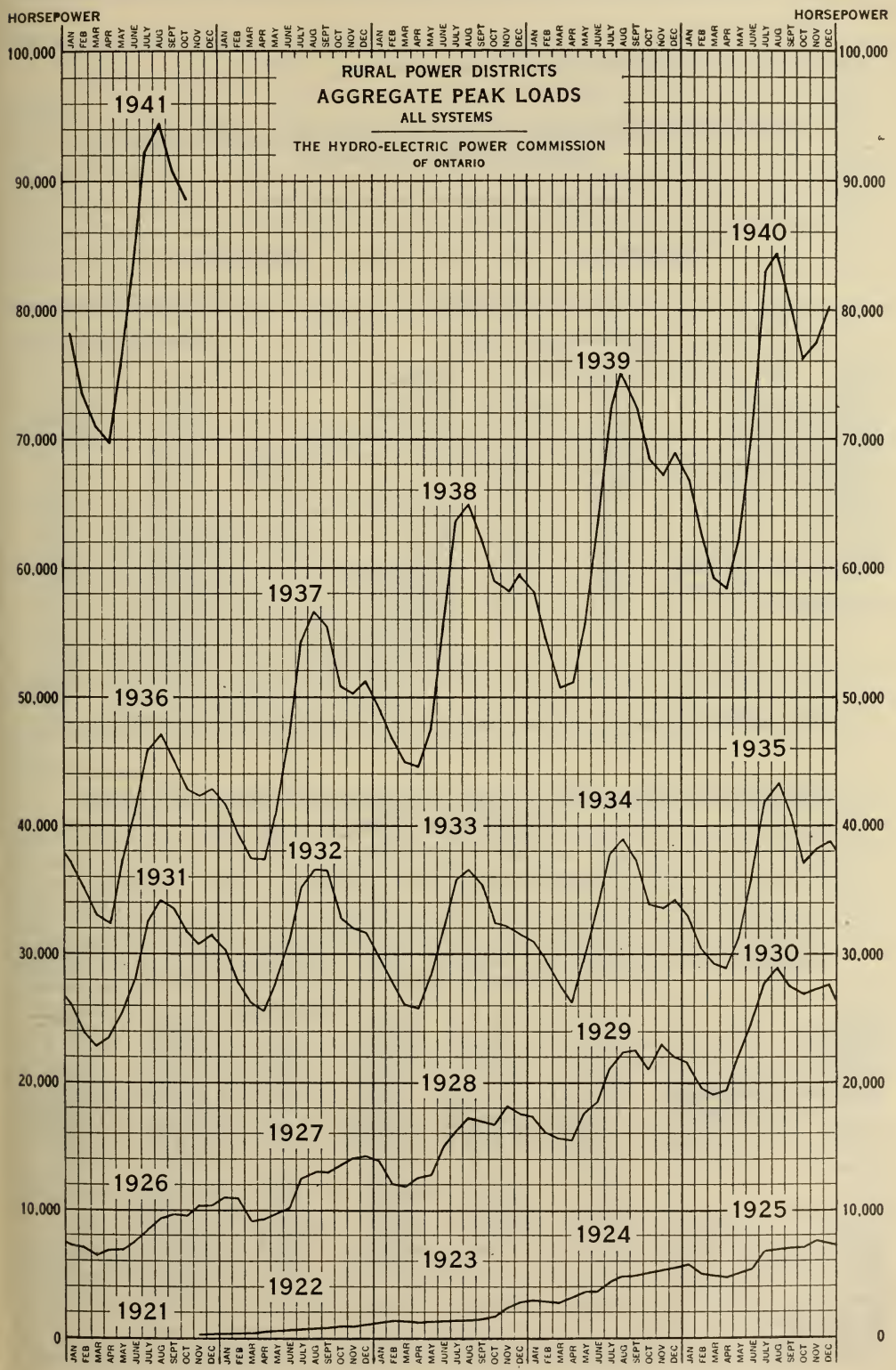
Due to war conditions, it is anticipated, that the construction of rural primary lines during the coming year will be practically discontinued.

MILES OF LINE

MILES OF LINE







Recent estimates of the major electrical appliances used in rural districts are set out in the following table:

### ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN RURAL POWER DISTRICTS

Data for all systems for the year 1940

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor.....	8,754	14.9	Range.....	10,539	17.9
Pump.....	8,170	13.9	Hot plate.....	12,581	21.4
Grain grinder.....	3,426	5.8	Washer.....	34,821	59.3
Milking machine.....	2,041	3.5	Vacuum cleaner.....	9,468	16.1
Milk cooler.....	1,280	2.2	Water heater, flat rate..	2,647	4.5
Cream separator.....	3,946	6.7	“ “ metered..	1,283	2.2
Churn.....	616	1.1	Grate.....	629	1.1
Incubator.....	706	1.2	Portable air heater....	4,626	7.9
Brooder.....	901	1.5	Ironer.....	824	1.4
Hot bed.....	59	0.1	Irons.....	44,775	76.3
Water heater, flat rate..	146	0.3	Refrigerator.....	9,206	15.7
“ “ metered..	69	0.1	Toaster.....	31,036	52.9
Miscellaneous.....	577	1.0	Radio.....	44,269	75.4
			Furnace blower.....	1,209	2.1
			Pump.....	9,415	16.0
			Miscellaneous.....	1,822	3.1

The following table makes comparison between rural and urban use:

### ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL CONSUMERS—1940

Electrical appliance	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation
Range.....	6,697	13.2	10,539	17.9	173,207	30.9
Hot plate.....	12,929	25.4	12,581	21.4	101,356	18.1
Washer.....	24,253	47.6	34,821	59.3	276,516	49.3
Vacuum cleaner.....	8,618	16.9	9,468	16.1	190,082	33.9
Water heater, flat rate..	2,063	4.1	2,647	4.5	65,357	11.6
“ “ metered..	1,081	2.1	1,283	2.2	61,582	11.0
Grate.....	433	0.9	629	1.1	41,078	7.3
Air heater.....	3,700	7.3	4,626	7.9	166,037	29.6
Ironer.....	817	1.6	824	1.4	17,552	3.1
Iron.....	39,607	77.8	44,775	76.3	516,804	92.2
Refrigerator.....	8,661	17.0	9,206	15.7	119,757	21.3
Toaster.....	27,576	54.1	31,036	52.9	349,132	62.3
Radio.....	37,675	74.0	44,269	75.4	456,323	81.4
Furnace blower.....	1,024	2.0	1,209	2.1	36,075	6.4
Grill.....					59,211	10.5
Pump.....	6,288	12.3	9,415	16.0		
Air conditioner.....					7,057	1.2
Miscellaneous.....	1,839	3.6	1,822	3.1		

Standard Number of Consumers per Mile

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

The following table shows the number of units for each class of service:

Class of consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer Cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting.....	2.25	4.4	1.5	6.7
1C	Hamlet lighting (range).....	3.75	2.7	2.5	4
2A	House lighting.....	1.9	5.3	1.25	8
2B	Small farm service (50 acres or less)..	3.5	2.9	2.35	4.3
3	Light farm service (over 50 acres)...	5	2	3.35	3
4	Medium farm service (single-phase)..	5	2	3.35	3
5	Medium farm service (three-phase)..	5	2	3.35	3
6A	Heavy farm service (single-phase)...	5	2	3.35	3
6B	Heavy farm service (three-phase)....	5	2	3.35	3
7A	Special farm service (single-phase)...	5	2	3.35	3
7B	Special farm service (three-phase)...	5	2	3.35	3

Cabin Service

Arrangements were made during 1940 to provide the Commission's rural customers with electric service to cabins at special rates, which call for a service charge of 30 cents gross per cabin per month and five kilowatt-hours extra per cabin per month to be added to the first kilowatt-hour block. The rates are subject to the usual ten per cent discount for prompt payment. This cabin service is supplementary to the regular supply contract and applies to the months of June, July, August and September of each year.

Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use through the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts.

Low Third Consumption Rate for Long-Hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a



maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates at the end of this section is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate. The classification of services for rural power districts is given on page 55.

#### Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1940 is indicated in the following tables:

#### HAMLET AND HOUSE LIGHTING SERVICE

##### Classes 1B, 1C and 2A

Year	Annual revenue	Energy consumption	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption
	\$	kw-hr.		cents	\$ c.	kw-hr.
1928	530,407	10,702,031	17,585	4.95	2.51	51
1929	663,311	14,424,770	21,219	4.60	2.85	62
1930	757,558	17,815,987	25,013	4.25	2.73	64
1931	974,224	22,127,474	31,176	4.40	2.88	66
1932	1,075,081	24,654,386	33,638	4.36	2.76	63
1933	1,133,369	25,410,470	35,941	4.46	2.70	60
1934	1,149,877	27,768,460	37,466	4.14	2.61	63
1935	1,171,873	30,802,290	39,751	3.80	2.53	66
1936	1,239,011	35,666,241	43,014	3.47	2.49	72
1937	1,331,919	40,935,040	46,785	3.25	2.47	76
1938	1,439,681	47,612,820	52,514	3.02	2.42	80
1939	1,649,496	54,787,544	58,328	3.01	2.36	78
1940	1,812,550	60,839,240	62,973	2.98	2.40	80

\*See footnote to next table.

#### FARM SERVICE

##### Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Energy consumption	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption
	\$	kw-hr.		cents	\$ c.	kw-hr.
1928	569,007	10,969,828	9,309	5.18	4.97	96
1929	777,736	16,022,842	12,605	4.85	5.85	121
1930	863,805	20,507,063	16,011	4.21	5.03	119
1931	1,128,554	25,716,141	20,796	4.39	5.11	116
1932	1,255,482	28,675,400	22,432	4.38	4.84	110
1933	1,309,123	30,062,194	23,283	4.35	4.75	109
1934	1,319,923	33,312,314	23,882	3.96	4.66	118
1935	1,343,222	37,667,453	25,357	3.57	4.55	128
1936	1,385,784	45,447,669	28,198	3.05	4.31	141
1937	1,366,484	54,858,240	35,508	2.49	3.57	144
1938	1,711,789	67,886,882	44,565	2.52	3.56	141
1939	2,090,259	81,613,087	53,240	2.56	3.56	139
1940	2,405,092	93,859,719	58,728	2.56	3.41	133

\*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

Owing to the necessity to conserve funds for war purposes this financing was discontinued on October 31, 1940. At that time there were five applications approved, of which four were consummated and one withdrawn by the applicant.

To October 31, 1941, 1,115 loans had been repaid in full, either through the maturing of the loan or by being paid in advance by the borrower.

Attached hereto are statements showing various details of all loans granted.

SUMMARY OF LOANS MADE TO OCTOBER 31, 1941

Fiscal year ending October 31	Applications received	Loans consummated	Amount of loans
1931.....	126	74	\$ 23,542
1932.....	226	187	40,160
1933.....	144	111	20,975
1934.....	107	81	14,855
1935.....	235	169	32,450
1936.....	307	212	40,550
1937.....	230	155	29,615
1938.....	321	240	47,265
1939.....	356	296	61,445
1940.....	284	247	49,215
1941.....	...	4	780
Total.....	2,336	1,776	360,852

LOANS GRANTED TO CONSUMERS IN RURAL POWER DISTRICTS

System	Total to Oct. 31, 1940		Nov. 1, 1940 to Oct. 31, 1941		Total to Oct. 31, 1941	
	No.	Amount	No.	Amount	No.	Amount
Niagara.....	1,428	\$ 279,500	3	\$ 580	1,431	\$ 280,080
Georgian Bay.....	244	57,837	.....	.....	244	57,837
Eastern Ontario.....	89	20,130	1	200	90	20,330
Thunder Bay.....	5	1,315	.....	.....	5	1,315
Manitoulin R.P.D.....	6	1,290	.....	.....	6	1,290
All systems.....	1,772	360,072	4	780	1,776	360,852

Number of Loans repaid in full, October 31, 1941—1,115. The average for all loans is \$203.18

## DETAILS OF RURAL LOANS GRANTED TO OCTOBER 31, 1941

Items applied for (including installation) in loans which have been made	Totals for 1,772 loans made to October 31, 1940		Totals for 4 loans consummated during year to Oct. 31, 1941		Totals for 1,776 loans made to October 31, 1941	
	Number affected	Cost to consumers	Number affected	Cost to consumers	Number affected	Cost to consumers
		\$ c.		\$ c.		\$ c.
Service.....	595	31,871.53			595	31,871.53
House wiring.....	601	49,114.50			601	49,114.50
Building wiring.....	555	41,815.27			555	41,815.27
Motors.....	54	5,401.71			54	5,401.71
Grain grinders.....	939	193,802.87	3	735.00	942	194,537.87
Pumping systems.....	156	23,620.17			156	23,620.17
Milking machines.....	41	12,013.57			41	12,013.57
Washing machines.....	50	5,055.80			50	5,055.80
Milk coolers.....	100	21,973.67	1	240.00	101	22,213.67
Ranges.....	3	494.50			3	494.50
Cream separators.....	2	180.00			2	180.00
Totals.....		385,343.59		975.00		386,318.59

Respecting the 1,776 loans made to October 31, 1941, the following table shows the number of loans made for each term of years:

One year term.....	46	Six year term.....	10
Two " ".....	147	Seven " ".....	79
Three " ".....	434	Eight " ".....	9
Four " ".....	88	Nine " ".....	0
Five " ".....	925	Ten " ".....	38

RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING  
THE YEAR 1941

System	Miles of primary line	Net increase in number of consumers			Power supplied in October 1941	Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total		Total	Provincial grant-in-aid
Niagara.....	308.97	2,257	2,606	4,863	h.p. 63,025	\$ 1,226,026	\$ 613,013
Georgian Bay.....	126.93	612	578	1,190	7,319	360,918	177,684
Eastern Ontario.....	151.38	734	904	1,638	16,142	489,426	244,713
Thunder Bay.....	16.43	85	105	190	644	52,058	26,029
Northern Ontario Properties.....	27.17	508	113	621	1,666	135,956	67,978
Totals.....	630.88	4,196	4,306	8,502	88,796	2,264,384	1,129,417

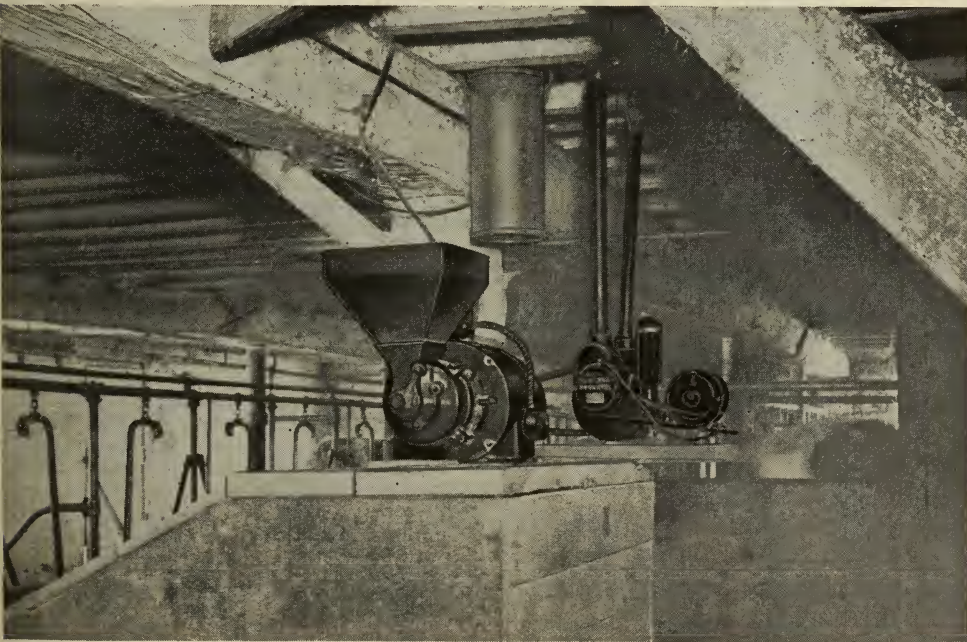


SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921 to October 31, 1941  
Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total	Total	Provincial grant-in-Aid
					\$ c.	\$ c.
Niagara.....	11,779.23	33,974	47,269	81,243	28,466,502.89	14,209,971.44
Georgian Bay.....	3,063.30	10,323	8,182	18,505	6,648,061.95	3,237,139.49
Eastern Ontario.....	4,637.20	13,060	13,982	27,042	10,648,725.31	5,324,362.65
Thunder Bay.....	292.36	467	863	1,330	610,219.00	305,109.50
Northern Ontario Properties.....	331.88	2,683	721	3,404	897,164.00	448,582.00
Totals.....	*20,103.97	60,507	71,017	131,524	47,270,673.15	23,525,165.08

\*This total includes 81.34 miles of primary line under construction on October 31, 1941 and service to 270 new consumers was not completed until after the end of the fiscal year.



RURAL ELECTRICAL SERVICE IN ONTARIO  
Modern chopper and milker installed in barn on Ontario farm.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941

Rural power district	Rural rates															Gross consumption charges per kilowatt-hour	Prompt payment discount on gross bill
	Property number	Miles of line	No. of consumers	Class.....													
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B			
				Monthly consumption charged for at first energy rate													
				30	30	30	30	42	70	70	126	126	210	210			
				Monthly consumption charged for at second energy rate													
	No. of kw-hrs. where first energy rate is	{less than 3 cts. 3 cts.... 3.1 to 4 cts.... 4.1 to 5 cts.... more than 5 cts.}	120	270	120	270	258	430	430	774	774	1290	1290				
			105	240	105	240	228	380	380	684	684	1140	1140				
			75	180	75	180	168	280	280	504	504	840	840				
			60	150	60	150	138	230	230	414	414	690	690				
		45	120	45	120	108	180	180	324	324	540	540					
Maximum gross monthly service charge to summer cottages. Where the rates are below these standards, they are indicated in each instance by †.													First energy rate	Second energy rate	Rate for all additional		
\$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.   \$ c.																	
1.11   1.56   1.11   1.56   1.56   1.56   2.50   2.78   2.78   3.33   3.33																	
Gross monthly service charge to regular consumers																	

## NIAGARA SYSTEM

Acton.....	N5	D1	15.75	55														cents	cents	cents	%
					\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.				
Ailsa Craig.....	N4	D7	74.86	210	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	2	5	0.75	10
Alvinston.....	N18	D9	56.40	142	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	2	6	0.75	10
Amherstburg.....	N15	D3	105.89	964	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	2	6	0.75	10
Aylmer.....	N11	D2	283.60	1,722	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	2	3.5	0.75	10
Ayr.....	N12	D4	41.47	151	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	2	4	0.75	10
Baden.....	N7	D1	148.43	763	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	3	1.5	10
Beamsville.....	N17	D3	262.17	2,203	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	3	1.5	10
Belle River.....	N15	D2	66.91	667	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Blenheim.....	N14	D3	103.04	658	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Bond Lake.....	N35	D3	214.67	2,403	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	3	1.5	10
Bothwell.....	N14	D10	137.45	448	1.11	1.11	1.56	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5	2	0.75	10
Brampton.....	N13	D2	93.01	369	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Brant.....	N12	D1	206.31	1,212	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	0.75	10
Brigden.....	N18	D8	100.85	332	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Burford.....	N12	D2	109.55	559	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4.5	2	0.75	10
Caledonia.....	N2	D5	212.26	1,244	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Chatham.....	N14	D1	236.11	1,535	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	2	0.75	10
Chippawa.....	N1	D7	42.01	304	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	2	0.75	10
Clinton.....	N8	D11	113.04	640	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5	2	0.75	10



RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates															Prompt payment discount				
	Class.....	Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers												Gross consumption charges			
					1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B		Rate for energy added			
																	cents	cents		
NIAGARA SYSTEM—Continued																				
Delaware.....	N4 D3	204.50	1,016	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	cents	cents	%
Dorchester.....	N4 D1	155.19	888	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	
Dresden.....	N14 D12	111.51	394	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	0.75	10	
Drumbo.....	N12 D5	103.65	504	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	
Dundas.....	N2 D1	181.69	1,234	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.25	0.75	10	
Dunnville.....	N1 D9	96.43	581	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75	10	
Dutton.....	N11 D3	116.48	404	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	0.75	10	
Elmira.....	N7 D3	43.30	171	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	
Elora.....	N5 D4	111.22	475	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	
Essex.....	N15 D7	168.48	929	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4.5	2	0.75	10	
Exeter.....	N4 D6	148.16	1,122	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75	10	
Forest.....	N18 D6	139.04	614	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	0.75	10	
Galt.....	N6 D2	54.88	532	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75	10	
Georgetown.....	N5 D2	100.68	443	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	
Goderich.....	N8 D2	81.27	342	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75	10	
Grantham.....	N44 D1	70.44	1,252	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75	10	
Guelph.....	N5 D3	173.17	1,005	1.11	1.50	1.11	1.11	1.56	1.56	1.56	2.50	2.78	3.33	3.33	3.33	3	1.5	0.75	10	
Haldimand.....	N2 D8	230.48	1,089	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4.5	2	0.75	10	
Harriston.....	N8 D5	34.39	99	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75	10	
Harrow.....	N15 D4	86.80	954	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4.5	2	0.75	10	
Ingersoll.....	N10 D3	246.00	950	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5.5	2	0.75	10	
Jordan.....	N44 D2	51.21	512	1.06	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75	10	
Keswick.....	N35 D5	81.90	1,548	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	
Kingsville.....	N15 D5	195.12	2,234	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	2	0.75	10	
Listowel.....	N8 D8	130.93	580	1.11	1.56	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75	10	

†See heading to first page of table.

‡Summer cottage rates.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates																	Prompt payment discount		
	Class.....	Property number	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges				
					Gross monthly service charge to regular consumers												First energy rate†		Second rate‡	Rate for all additional
					NIAGARA SYSTEM—Continued															
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%		
London.....	N4 D2	248.22	3,211	0.90	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10	
Lucan.....	N4 D5	97.09	317	0.90	1.11	1.11	1.11	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Lynden.....	N2 D2	90.01	418	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10	
Markham.....	N35 D1	180.62	1,615	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Merlin.....	N14 D15	142.77	594	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Milton.....	N13 D3	110.47	550	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Milvorton.....	N8 D9	78.37	317	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Mitchell.....	N8 D7	126.07	587	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10	
Newmarket.....	N35 D4	108.98	710	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Niagara.....	N1 D1	68.95	559	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10	
Norwich.....	N10 D1	174.24	907	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10	
Oil Springs.....	N18 D3	87.26	312	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Palmerston.....	N8 D6	85.52	276	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Petrolia.....	N18 D5	52.05	208	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Preston.....	N6 D1	196.37	1,680	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75	10	
Ridgetown.....	N14 D2	137.00	955	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
St. Jacobs.....	N7 D2	104.15	564	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10	
St. Marys.....	N9 D1	216.88	872	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
St. Thomas.....	N11 D1	243.04	1,740	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10	
Saltfleet.....	N17 D1	109.76	2,619	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10	
Sandwich.....	N15 D1	163.73	3,336	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75	10	
Sarnia.....	N18 D4	129.26	2,006	1.00	1.56	1.11	1.11	1.56	1.56	2.50	2.78	2.78	2.78	3.33	3.33	3.5	2	0.75	10	
Scarborough.....	N34 D2	114.77	1,591	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Seaforth.....	N8 D10	34.87	198	1.10	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Simcoe.....	N12 D6	149.45	997	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	

†See heading to first page of table.

‡Summer cottage rates.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates																
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers										Gross consumption charges		Prompt payment discount	
				1B	1C	2A	2B	3*	4	5	6A	7A	7B	Rate for all additional			
														First energy rate†	Second rate‡		
NIAGARA SYSTEM—Continued																	
Stamford..... N44 D4 N8 D4 N4 D4 Stratford..... N4 D4 Strathroy..... N13 D1 Streetsville..... N8 D1 Tavistock.....	11.59	310	\$ 1.11	1.11	1.11	\$ 1.11	1.11	\$ 1.11	1.56	2.50	\$ 2.78	2.78	\$ 3.33	3.33	cents 3	cents 1.5	% 0.75
	60.94	331	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	10
	167.55	567	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
	136.17	752	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	10
	143.04	597	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
	121.94	524	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
	152.13	698	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
	205.73	1,243	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	10
Tilsonburg..... N10 D4 Wallaceburg..... N14 D13 Walsingham..... N12 D7 Walton..... N8 D3 Waterdown..... N2 D3 Watford..... N12 D3 Watford..... N18 D7 Welland..... N1 D5	196.84	1,165	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	10
	312.07	1,793	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
	106.58	502	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
	97.02	1,326	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2.5	1	10
	149.43	739	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	10
	82.26	273	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	10
	367.75	4,112	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	10
		+1.00	1.56	1.11	1.11	1.56	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33			
Woodbridge..... Woodstock.....	290.57	1,670	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	10
	189.02	1,049	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	10

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates																	Gross consumption charges		Prompt payment discount	
	Class.....	No. of consumers	Gross monthly service charge to regular consumers																		
			1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate							
														Second energy rate	Additional						
GEORGIAN BAY SYSTEM																					
Property number	Miles of line	No. of consumers	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Alliston.....	GS32 D1	359	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GS32 D2	116	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GB13 D1	678	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
	G24 D1	940	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
	GM10 D1	430	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
Beaumaris.....	GM7 D1	617	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
	GW2 D1	611	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
	GS33 D1	11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GS37 D1	249	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GE19 D1	954	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
Buckskin.....	GS24 D1	44	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GW3 D1	172	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GE3 D1	65	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GS35 D1	10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	G17 D2	472	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
Dundalk.....	GE5 D1	116	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GS7 D1	320	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5.5	0.75	10
	GE1 D1	179	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	G34 D1	187	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
	GS9 D1	520	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	3	0.75	10
Hawkestone.....	GE7 D1	60	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GM2 D1	693	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	5	0.75	10
	GS31 D1	1,281	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GW6 D1	43	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10
	GE24 D1	60	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	3.33	6	0.75	10

†See heading to first page of table.



RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates																			
	Class.	Miles of line	No. of consumers	Gross monthly service charge to regular consumers													Gross consumption charges		Prompt payment discount	
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Rate for additional					
															First energy rate†	Second energy rate‡				
GEORGIAN BAY SYSTEM—Continued																				
Mariposa.....	D1	79.24	467	\$ 1.11	1.11	1.11	1.11	\$ c.	1.11	\$ 1.56	2.50	2.78	\$ c.	3.33	\$ c.	3.33	6	cents	75	%
Markdale.....	D2	30.05	138	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Meaford.....	D1	72.78	381	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Medonte.....	D1	86.12	435	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	5	2	0.75	10
Midland.....	D1	115.58	969	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	5	2	0.75	10
Mount Forest.....	D1	28.87	71	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Neustadt.....	D1	35.35	210	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	5	2	0.75	10
Nottawasaga.....	D1	22.88	170	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	5	2	0.75	10
Orangeville.....	D1	137.32	434	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Owen Sound.....	D1	55.43	277	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	5	2	0.75	10
Port Perry.....	D1	67.54	605	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Ripley.....	D2	108.59	396	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Sauble.....	D1	137.27	669	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Shelburne.....	D1	52.29	164	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
South Falls.....	D1	15.95	55	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	5	2	0.75	10
Sparrow Lake.....	D1	80.76	718	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	4	2	0.75	10
Tara.....	D1	74.13	313	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Thornton.....	D1	17.80	61	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Tottenham.....	D1	28.71	69	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Utterson.....	D1	64.20	371	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Uxbridge.....	D1	77.76	324	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10
Wasaga Beach.....	D1	27.25	1,451	†1.00	1.75	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	4.5	1.5	.....	10
Wroxeter.....	D1	88.59	510	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.33	3.33	6	2	0.75	10

Total, Georgian Bay system...306,330 18,505 \*See footnote on page 55. †These rates apply to regular consumers and summer cottages.

‡See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural Rates																	Prompt payment discount		
	Class.....	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges					
				Gross monthly service charge to regular consumers												First energy rate†	Second rate‡		Rate for all additional	
EASTERN ONTARIO SYSTEM																				
Alexandria.....	QL15	D1	83.32	356	\$ c.	1.11	1.11	1.11	\$ c.	1.11	1.56	2.50	2.78	\$ c.	3.33	3.33	cents	6	0.75	10
Arnprior.....	QM10	D1	68.58	643	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Belleville.....	QC38	D1	158.43	1,171	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	3.5	1.5	0.75	10
Bowmanville.....	QC23	D1	75.85	367	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Brighton.....	QC6	D1	23.73	113	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Brockville.....	QL3	D1	183.23	1,280	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Calabogie.....	QM13	D1	4.34	81	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Campbellford.....	QC11	D1	51.73	184	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Carleton Place.....	QH5	D1	52.72	183	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Chesterville.....	QL5	D1	178.00	965	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Cobourg.....	QC13	D1	214.31	1,061	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Colborne.....	QC7	D1	94.22	470	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Cornwall.....	QL1	D1	39.00	115	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Fenelon Falls.....	QC30	D1	148.20	1,069	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Iroquois.....	QL9	D1	131.46	637	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Kemptville.....	QH9	D1	8.47	80	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Kingston.....	QC44	D1	321.70	1,894	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Lakefield.....	QC18	D1	112.20	507	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Madoc.....	QC33	D1	63.08	207	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Marmora.....	QC47	D1	10.28	54	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Martintown.....	QL13	D1	78.20	403	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Maxville.....	QL14	D2	239.83	1,183	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Millbrook.....	QC25	D1	54.87	255	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Minden.....	QC37	D1	80.05	474	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Napanee.....	QC43	D1	290.06	1,327	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10

†See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates														Prompt payment discount				
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers												Gross consumption charges			
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B		Rate for all additional			
																energy rate†	rate‡		
EASTERN ONTARIO SYSTEM—Continued																			
Nepean.....	OT1	D1	283.03	1,868	\$ 1.11	1.11	1.11	1.11	1.11	\$ 1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	0.75
Newcastle.....	QC22	D1	62.59	260	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Norwood.....	QC31	D1	57.12	278	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Omamee.....	QC26	D1	34.41	94	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Oshawa.....	QC24	D1	227.27	2,584	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.75	0.75
					†1.00	1.56	1.11	1.56	1.56	1.56	2.50	2.77	2.78	2.78	3.33	3.33			
Pembroke.....	QM30	D1	22.31	127	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Perth.....	QH2	D1	99.68	445	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Peterborough.....	QC20	D1	183.36	1,701	0.63	1.11	0.79	1.11	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	4	2	0.75
Prescott.....	QL2	D1	79.49	396	†0.63	1.16	0.79	1.21	1.56	1.56	2.01	2.57	2.78	2.78	3.33	3.33	6	2	0.75
Renfrew.....	QM16	D1	61.71	378	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Smiths Falls.....	QH3	D1	118.72	767	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Stirling.....	QC35	D1	97.46	330	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Sulphide.....	QC34	D1	100.62	379	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Trenton.....	QC3	D1	105.98	559	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Warkworth.....	QC49	D1	21.14	80	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Wellington.....	QC45	D1	304.15	1,432	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Williamsburgh.....	QL7	D1	57.08	285	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75

Total, Eastern Ontario system 4,637.20 27,042. \*See footnote on page 55. †Summer cottage rates. ‡See heading on first page of table.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Concluded

Rural power district	Rural rates															Gross consumption charges		Prompt payment discount
	Class .....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers														
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate‡	Second rate‡ additional		
THUNDER BAY SYSTEM																		
Nipigon.....	P6 D1	5.60		\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 4	cents 2	% 10
Thunder Bay.....	P10 D1	286.76	1,316	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 4	cents 2	% 10
Total, Thunder Bay system.....		292.36	1,330															

## NORTHERN ONTARIO PROPERTIES

Connaught.....	FA22 D1	53.04	254	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
Crystal Falls.....	FS7 D1			\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
Kapuskasing.....	FA14 D1			\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
Manitowling.....	FM1 D1	162.16	956	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
North Bay.....	FZ4 D1	32.14	714	\$ 0.87	\$ 1.11	\$ 1.01	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.17	\$ 2.68	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
				\$ 0.87	\$ 1.38	\$ 1.01	\$ 1.38	\$ 1.44	\$ 1.56	\$ 2.17	\$ 2.68	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33				
Powassan.....	FZ8 D1	56.04	194	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
Rainy River.....	FR1 D1			\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10
Sudbury.....	FS5 D1	28.50	1,286	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	5.5	2	0.75	10
Teck.....	FA16 D1			\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75	10

Total, Northern Ontario Properties 331.88 3,404

†Total, all systems: Miles of line, 20,103.97. Number of consumers, 131,524. ‡This total includes 81.34 miles of primary line under construction on October 31, 1941, and service to 270 new consumers which was not completed at the end of the fiscal year.

\*See footnote on page 55. †Summer cottage rates. ‡See heading to first page of table.

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting.....	1.32	1	110	20
1C	" " .....	2	1	220-110	35
2A	House Lighting.....	1.32	1	110	20
2B	Small Farm Service.....	2	1	220-110	35
3	Light Farm Service.....	3	1	<del>220-110</del>	35
4	Medium Farm Service.....	5	1	220-110	50
5	" " .....	5	3	220-110	35
6A	Heavy Farm Service.....	9	1	220-110	100
6B	" " .....	9	1 and 3	220-110	60
7A	Special Farm Service.....	15	1	220-110	According to load
7B	" " .....	15	1 and 3	220-110	According to load

**Class 1-B:** Service to residences or stores, including use of portable appliances, and permanently installed appliances not exceeding 1.320 watts.

**Class 1-C:** Service to residences or stores with electric range or ordinary permanently installed appliances greater than 1,320 watts. Where a combination of residence and store can be supplied from one service, the combination is billed as a single Class 1-C consumer. Special or unusual loads will be treated specially.

**Class 2-B: Farm Service, Small**—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 2 horsepower and electric range if motors and range are not used simultaneously, on a farm of fifty acres or less.

**Class 3: Farm Service, Light**—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 3 horsepower and electric range if motors and range are not used simultaneously.

**Class 4: Farm Service, Medium Single-Phase**—Includes service for lighting of farm buildings power for miscellaneous small equipment, and power for single-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

**Class 5: Farm Service, Medium 3-Phase**—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for 3-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

**Class 6: Farm Service, Heavy**—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

**Class 7: Farm Service, Special**—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Note: Classes 2B to 7B are designed primarily to cover the service requirements of farmers. Consumers other than farmers who require a more comprehensive service with greater demand than is provided for in classes 1B, 1C and 2A may obtain this service upon payment of the specified service charge listed in the table of rates.

Note: Class 2B is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

## SECTION IV

### PROMOTIONAL SERVICES

THE increase in demand for power to serve war industry made it inadvisable to continue in any extensive manner the promotion of non-essential uses of electricity. This situation, which was referred to in last year's Report, was accentuated during 1941.

The staff of the Commission engaged on sales promotion work therefore turned its attention to assisting industry to use electrical energy in the most efficient manner, and wherever possible to use it in new ways which would increase the production of munitions and war supplies. Two new activities resulting from war conditions were the supervision of the Commission's participation in the "Bits and Pieces Programme" of the Dominion Government, and looking after the important problem of priorities with respect to the procurement of equipment and material required by the Commission for its primary business of supplying electrical service for the citizens of Ontario.

#### Industrial Work

During the year, service was rendered to more than 100 industrial plants in Ontario. In the recommendations which were made following detailed plant surveys, emphasis was placed on obtaining maximum industrial output with a minimum electrical demand and consumption of energy. Production of essential war materials was speeded up by increased efficiency in the use of power and where possible by the promotion of the use of new methods. Particularly successful results were secured by the adoption of electrical heating in certain drying processes.

This technical service was well received by the industries of Ontario, and worth-while results were obtained. It has helped both the consumer and the Commission to make the best use of existing equipment and reduce the drain on supplies of vital materials now so necessary for the war.

During the latter part of the year the Dominion Government introduced the "Bits and Pieces Programme," and the Commission arranged to co-operate and assist within its own organization. The results have been excellent and the Commission in its various maintenance shops is now producing, under sub-contracts, various pieces and parts of war equipment and machinery.

#### Domestic and Rural Activities

Power requirements for industrial uses and shortage of materials for the manufacture of domestic electrical appliances have precluded sales



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# Hydro HORSEPOWER *Means* SEAPOWERS!



## Ontario's Shipyards Build 37 Types of Ships To Help Win the War!

On the water in busy Canada shipyards comes a long line of commerce and cargo ships, motor-tugs, and launches. In the 17 types of shipbuilding yards in the St. Lawrence, Ottawa, and the Montreal Marinas, in Canada's eastern provinces, more than 100,000 tons of tonnage are built in permanent industries.

And the best facilities for building Hydro-Hulls, energy is indispensable. Day and night thousands of turbines in the yards are kept full down to 100 full capacity hours a week.

These yards are working hard to build the ships that will win the war. In other plants, they will build the ships that will win the peace. In other plants, they will build the ships that will win the future.

Today, every Canadian shipyard is busy.

To do the utmost and use resources wisely in the best that Hydro is capable of, we have 1,000,000 h.p. to ensure the utmost progress will be achieved with the least expense.

Because Hydro is vital to victory on land and sea, it is vital to the economy of the nation. It is the backbone of the nation's industry and commerce, and it is the backbone of the nation's defense.

**TO HAVE BETTER CIGARETTES**

Choose our electric cigarettes, the cigarettes that are made in Canada. They are the cigarettes that are made in Canada. They are the cigarettes that are made in Canada.

**THE NEW VICTORY LOAN**

Canada will 100% in advance in the course of any activity.



**TO ELECTRIC POWER COMMISSION OF ONTARIO**

promotion work in the domestic and rural fields. However, municipal Hydro utilities have been given assistance in connection with their war problems and in developing a conservation programme to assist domestic consumers to obtain from existing appliances the greatest benefit with a minimum demand for power. In various parts of the Province, cooking schools have been operated to promote among consumers conservation of energy, and encourage economical and nutritious cooking. In rural areas a similar programme of conservation instruction was carried on.

#### **Lighting**

An important branch of the Commission's wartime service to industrial and commercial users is concerned with efficient lighting. About 70 industrial plants were provided with lighting service, including recommendations for improved lighting equipment. Most of these recommendations were followed, and in almost all cases resulted in increased production and better quality of the resulting product.

Assistance was rendered to wartime housing projects in preparing their lighting and wiring specifications. These were ultimately used in some 3,000 houses and 5 dormitories erected throughout the Province. The services of several lighting engineers were requested by the Department of National Defence to assist in the lighting and wiring of military establishments. These men were transferred to Ottawa.

#### **Advertising**

The Commission's advertising programme was mainly devoted to a type of industrial copy dealing with the participation of Hydro in the war effort, and emphasizing the important position which it holds in this respect. Stress was laid on the dependence of Ontario's industry on an adequate supply of power for the production of munitions and war equipment, and on the necessity for conservation by eliminating non-essential uses. A sound motion picture entitled "Keepers of the Light" was produced and has been shown extensively. This picture further develops the story of Hydro's activities in behalf of the war effort of the Dominion.

#### **Sales of Lamps and Equipment**

The sales of electrical supplies and equipment was well maintained, although for the latter part of the year the supply of water-heating material was discontinued except for purposes of repair and maintenance. The distribution of Hydro lamps to Hydro systems was also well maintained, and the total sales increased.

#### **Priorities**

In the latter months of 1941, on account of the shortage of materials and the resulting restrictions designed to conserve potential supplies for war needs, the problem of reconciling the requirements of the Dominion control departments with the urgent needs of the Commission for equipment and material required for the operation, maintenance and expansion of power supplies for war purposes assumed greater importance. This work has been delegated to the Sales Promotion staff, which has facilitated the clearance of such material and equipment and given assistance to local Hydro utilities faced with similar problems.



## SECTION V

### HYDRAULIC ENGINEERING AND CONSTRUCTION

**D**URING 1941 construction of new works relating to hydro-electric power supplies was actively carried forward in various sections of the Province. The Big Eddy power development on the Muskoka river\* was brought into operation in October to serve the Georgian Bay system. Construction work continued on the 54,000 horsepower Barrett Chute development on the Madawaska river, and on the Bark Lake storage reservoir some sixty-five miles upstream. In September 1941 work commenced on the extension to DeCew Falls generating station, three miles from St. Catharines. In the north-west part of the Province, construction work on the Ogoki Diversion project started in November 1940. Minor works also were built to improve storage facilities on certain streams.

#### NIAGARA SYSTEM

##### **DeCew Falls Development**

Events of the past year altered materially the situation regarding the DeCew Falls development. An exchange of notes between the Governments of Canada and the United States in the latter part of 1940 provided for the immediate utilization for power at Niagara Falls by the Province of Ontario of additional water equivalent in quantity to the diversions into the Great Lakes basin from the Albany River basin, for which Ontario agreed to make immediate provision. This, along with the urgent need for power in the Commission's systems and the possibility of meeting this need in some measure economically and quickly at DeCew Falls, resulted in the decision to proceed at once with the construction of a development to contain initially one 65,000 horsepower, 25-cycle unit. The plant is designed to permit further extensions up to a total capacity of 200,000 horsepower, but at present the works necessary for the single 65,000 horsepower unit are being built, together with such provisions for future extensions, as are most economically incorporated in the initial installation.

The DeCew Falls development has a greater operating head, 265 feet, than any other plant deriving its water supply from the discharge from lake Erie, with the exception of the Queenston plant. From the standpoint of conservation therefore, this development has much to recommend it. The present storage ponds, with the enlargements contemplated for the ultimate

\*See fuller reference to river on page 62.



development, will enable the constant supply of water at the intake to be used advantageously, at varying rates throughout the 24 hours to meet peak demands for power.

The district, in which the development is situated, has many industrial and commercial establishments. Its location, therefore, is strategic, but its construction involves more than the usual amount of difficulty in safeguarding and in some cases reconstructing the works of other organizations and utilities.

The scheme of development conforms closely to that of the present plant, which was built forty years ago. The plant will draw its water supply from the Welland ship canal through a new intake some distance downstream from the one now in use and thence through a short canal leading to the reservoir, known as Gibson lake. Interconnecting channels in the reservoirs will be enlarged and earth embankments improved and strengthened. A new power canal will lead from the reservoir to a forebay and headworks on the crest of the escarpment, down which a 16-foot penstock will lead to the power house. Outflow from the power house, as at present, will follow Twelve Mile creek to the second Welland canal, reaching lake Ontario by way of the canal and Port Dalhousie harbour.

Active construction work commenced in September 1941. A roadway was built from the St. Catharines-Merrittville highway to the power-house site and railway siding facilities were provided. Temporary camps were set up adjacent to the works. A start was made on some of the channel improvements to be made on Twelve Mile creek, which forms the tailrace channel. Stripping of the cliff, and earth excavation for the power house were commenced.

The existing plant generates about 50,000 horsepower at a frequency of 66-2/3 cycles, which, augmented by an additional supply of 10,000 horsepower obtained from the 25-cycle Niagara system plants through a frequency-changer set, is distributed to what is known as the Dominion Power division of the Niagara system. This plant will remain in service after the first unit is installed in the new plant and possibly after the second unit is completed.

#### St. Lawrence River Project

Hydraulic engineering studies and investigations in connection with the St. Lawrence river project were given considerable attention during the year. Conferences were held with engineers of the Dominion and United States Governments, at which solutions were sought for various problems of engineering economics and design relating to the power houses and dams.

#### Ogoki River Diversion

In November 1940 construction commenced on the works for the Ogoki diversion project. The upper waters of the Ogoki river, a tributary of the Albany river which flows into James bay, are being diverted from their natural course to flow southward to lake Nipigon. The diverting dam at Waboose Rapids will raise the level of the river and create a reservoir having an area of about 100 square miles. This will enable all but extremely high flows of the river to be diverted southerly, by way of Mojikit creek and the Jackfish river, into lake Nipigon, from which the diverted waters under



STORAGE DAM IN EASTERN ONTARIO  
Showing clay core under construction

beneficial storage regulation will eventually flow into the Great Lakes system. This water will augment the flow at present available for power generation at various hydro-electric plants on the Nipigon river, at Sault Ste Marie, on the Niagara river, at the DeCew Falls extension and on the St. Lawrence river.

By the end of the fiscal year the concrete control dam at the summit between the Ogoki river and lake Nipigon drainage basins had been completed along with various improvements to the river channels in the vicinity. The main diversion dam on the Ogoki river at Waboose rapids was about one-half completed. This structure is of concrete, with earth embankments at the ends, the whole having a total length of 1,425 feet and a maximum height of 50 feet. In addition to the northerly half of the main dam, two small earth side dams remain to be built on this part of the project, as well as a long but low earth dam on Snake creek, which flows into Mojikit lake.



At the Jackfish river crossing north of lake Nipigon, where the diverted waters will pass under the Canadian National Railways, work was commenced which will include rebuilding the railway trestle and relocation of trackage, as well as considerable excavation and improvement to the river channel in the vicinity.

#### Niagara River Diversions

Following conversations between officials of the Government of Canada and of the United States in 1940, which indicated a growing apprehension in both countries over the possibility of a power shortage in consequence of Canada's war effort and the National Defence effort in the United States, the United States Government indicated that it would interpose no objection, pending the conclusion of a final Great Lakes-St. Lawrence Basin agreement, to the immediate utilization for power at Niagara Falls by the Province of Ontario of additional waters, equivalent in quantity to the diversions into the Great Lakes Basin from the Ogoki and Long Lake diversions. In November 1940 the Commission received permission from the Dominion Government to increase the quantity of water diverted through the generating stations in Canada from 36,000 to 41,000 cubic feet per second. In 1941 owing to the urgency of power requirements under war conditions, permission was received to increase further the quantity of water taken by the generating stations to 44,000 cubic feet per second. In December 1941 the total Canadian diversion by agreement with the United States was finally increased to 50,000 cubic feet per second.

### GEORGIAN BAY SYSTEM

#### Big Eddy Development

The second of a series of four power developments on the Muskoka river, below Bala, came into service in October. About three and one half miles below Bala the Muskoka river divides and flows by two channels to Georgian Bay, the right hand and larger channel being known as the Moon river, the name of the main stream being carried after division by the left hand channel, sometimes known locally as the Musquash river. The general scheme of development described more fully in an earlier report is, briefly, the concentration of the fall at four points in the Muskoka river and the diversion of all but waste flow from the Moon to the Muskoka river. A development at the first of these sites, Ragged Rapids four miles below Bala, was completed in 1938. Big Eddy, at the second site, is about four and one half miles below Ragged Rapids. The development has a rated capacity of 9,500 horsepower in two units and operates under a head of 36 feet. It forms an essential source of supply for the Georgian Bay system, as the other power sources are incapable, without it, of meeting the estimated peak demands during the current year.

Work commenced in July 1940 on the construction of a road to the site from Ragged Rapids and active work on the development itself in September. Work had progressed sufficiently to enable the first unit to carry commercial load by October 11, 1941, while the second unit was brought into service less than a month later, on November 1.





OGOKI RIVER DIVERSION PROJECT

Summit control dam from north side. This controls outflow of water from the enlarged Mojikit lake formed by the Waboose dam

Between Ragged Rapids and the Big Eddy site, there were a number of minor rapids, but the major part of the fall concentrated for use in the development occurred in a series of rapids and falls immediately above the large whirlpool, from which the development derives its name and at which the course of the river changed sharply to the left. The main dam is placed just above the series of rapids, through which the river falls to reach the Big Eddy pool. A short distance above the dam, a power canal has been excavated in earth for about 400 feet and then in rock for a further 350 feet to the powerhouse site, beyond which the water discharged from the turbines flows through a tailrace channel excavated in earth to enter the pool, about opposite the point where the river channel leaves the pool to follow its course downstream.

The main dam, commencing at the right bank, comprises a bulkhead section, 51 feet in length, adjoining which is a gravity section with a spillway crest at normal maximum elevation and 238 feet in length followed by four sluiceways close to the left bank of the river. Beyond the sluiceways another spillway section, 78 feet in length, and a bulkhead section complete the closure to high ground, which is here close to the river bank. The sluiceways are four in number, 14 feet wide, and have their sills at elevation 665, that is about sixteen feet below headwater level. In ordinary operating procedure they will remain closed, as flood waters will be diverted to the Moon river above Ragged Rapids.

The power canal, as it leaves the river, is trapezoidal in section, having a bottom width of 80 feet, a depth of 10 feet and side slopes of two to one. The velocity of this part of the canal is 2.75 feet per second, with full load on the plant. Toward the end of the earth section, the canal curves to the left and enters a rectangular rock cut 45 feet wide, in which the depth of

water is 15 feet, and the velocity of flow 4.2 feet per second. From the end of the canal the channel widens as it approaches the face of the power house, short gravity sections of concrete flanking the channel to form the forebay.

To close depressions to the right of the power canal, two rock-fill dams, with concrete core walls, were required respectively 330 and 390 feet long and about 20 feet in height. Material from the canal and power-house excavation was used for construction of these dams.

The power-house, situated on the continuation of the centre line of the canal and forebay, houses two units, the turbines being of the fixed blade propeller type, rated at 4,950 horsepower, 200 r.p.m., under a head of 36 feet. They are set in reinforced concrete scroll cases, each drawing its water supply through two rectangular conduits 12 feet wide by 16 feet high and about 24 feet long, the whole forming an integral part of the power-house substructure. The turbines discharge through an elbow type draft tube to the tailrace.

The power-house superstructure is of brick and extends over the headworks sufficiently to house the gate hoisting machinery. Racks and checks for the emergency gates are in front of this part of the superstructure. That portion of the superstructure adjoining the headworks, some fifteen feet in width, houses the control room and miscellaneous equipment. The station is designed for supervisory control from the Ragged Rapids plant and space to house the necessary equipment for this purpose is provided.

### EASTERN ONTARIO SYSTEM

#### **Barrett Chute Development**

During 1941, construction work was actively commenced and proceeded with on the Barrett Chute development. The new development is situated at the head of Calabogie lake on the Madawaska river. The power house will contain two units, having a total capacity of 54,000 horsepower under a head of 150 feet. The development comprises a concrete dam across the river channel above High falls, a power canal from the river to the headworks and two steel penstocks to convey the water from the headworks to the power house. By the close of the fiscal year, the main dam was practically completed. The canal excavation was about 50 per cent completed. Excavation for the power house was completed and work on the power-house substructure was under way. The natural level of the river will be raised seventy feet at the dam and the flowage will extend upstream a distance of eight miles. The necessary work on clearing the affected lands at the year end was about 50 per cent completed. The plant is expected to be in service in July 1942.

#### **Bark Lake Dam**

The Bark Lake storage project, also under construction, is a necessary adjunct of the Barrett Chute development and proposed future developments on the Madawaska river. The storage dam is situated at Bells rapids at the foot of Bark lake, some 65 miles upstream from Barrett Chute. The new dam will increase the storage range on Bark lake from the four-foot variation previously available to a total of about thirty feet, providing some 300,000



acre-feet of storage. The structure consists of an earth fill dam with concrete control section equipped with five sluiceways of conventional stop-log type and, at a lower level, four pipe conduits 5.5 feet in diameter controlled by butterfly valves for the discharge of storage water. At the close of the fiscal year, the earth fill dam was almost completed and work was proceeding on the concrete structure. It is expected that the storage dam will be completed in time to impound the spring run-off of 1942.

## NORTHERN ONTARIO PROPERTIES

### Sudbury and Nipissing Districts

Field investigations were made on the Sturgeon river during the period of exceptionally high flood run-off in the spring of 1941. Field surveys and office design work proceeded in connection with the replacement of the two old timber crib dams at Tomiko lake and Wicksteed lake on the Sturgeon river watershed. At Tomiko lake the new structure will have concrete sluiceways with side dams of rock-filled cribwork. The Wicksteed dam is a rock-filled timber crib structure. The rehabilitation of these dams will provide additional storage for the benefit of the Crystal Falls generating station.

### HYDRAULIC INVESTIGATIONS

During 1941 engineering work was continued in connection with maintenance of the hydraulic plants on the various systems. Matters having to do with lands, contracts and agreements, were handled. Supervision of storage reservoirs and water supply to plants in various systems and the routine collection of hydrometric data were continued. Investigations at certain generating stations were carried on to ensure proper hydraulic operating conditions.

At Chats Falls generating station, hydraulic tests were made to determine the improvement in performance resulting from the rehabilitation of several of the generating units.



TRANSPORTATION IN NORTHERN ONTARIO  
Tractor drawing poles to support line supplying Northern Ontario mine



## SECTION VI

### ELECTRICAL ENGINEERING AND CONSTRUCTION

THE new generating station at Big Eddy on the Muskoka river\* was completed and electrical equipment was purchased for the new development at Barrett Chute on the Madawaska river.

Additional 230,000-volt transmission circuit capacity was built from the Quebec border to Burlington and placed in service with the new 150,000-kv-a station there.

Altogether 515 miles of transmission circuits were completed during the year and the rural lines were extended a total of 771 miles to give service to 8,896 additional customers

The continued rapid growth of industrial loads on the various systems required, throughout the year, extensive engineering studies and planning for new stations and circuits and improved voltage regulation. These studies included the proposed St. Lawrence development as a future source of power. To facilitate these studies a network calculator was purchased for installation in the office building.

On later pages of this section a tabulation gives all transformer and distribution stations where construction work was under way and where transformer capacity was increased during 1941. A tabulation also gives the total mileage of transmission lines and circuits and another tabulation gives a summary of construction in rural power districts.

Engineering assistance was given to a large number of municipalities in connection with the purchase and installation of new equipment and in changes to their local stations. Detailed reference to some of the larger installations is given in the following paragraphs:

#### NIAGARA SYSTEM

A 230,000-volt single-circuit steel-tower line was completed from the Ontario-Quebec boundary near the St. Lawrence river to Leaside transformer station, a distance of 275 miles. A 230,000-volt double-circuit steel-tower

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\*See reference to river on page 62.

line was built from a point near Toronto-Leaside transformer station to the new Burlington transformer station, a distance of 45 miles.

The 230,000-volt, 150,000-kv-a Burlington transformer station, started in 1940, was placed in service during 1941. An additional bank of three 25,000-kv-a transformers and a 75,000-kv-a voltage regulator were purchased for a third bank to be installed in 1942.

Two transformer stations were installed and placed in service in the Welland district. One of these, Crowland transformer station, has an installed capacity of three 25,000-kv-a three-phase transformers and the other, Atlas Steel transformer station has one similar transformer in service while the installation of a second unit will be completed early in 1942.

A new 50,000-kv-a transformer station is under construction at Sherbourne street and Esplanade in Toronto and will be in service early in 1942.

At Palmerston a one unit 8,000-kv-a transformer station is nearly completed.

The transformer capacity at Preston transformer station was increased.

Switching equipment was installed at Toronto-Leaside transformer station for the control of a 230,000-volt transmission circuit to Burlington transformer station.

An outdoor transformer station is being erected at Niagara for the control of the 110,000-volt power supply from Toronto Power development and to provide for the installation of the, now, temporarily installed 48,000-kv-a transformer bank.

A total of nineteen new distributing stations were installed throughout the system and the capacity of fourteen others was increased. The total increased transformer capacity in the distributing stations is 42,225 kv-a.

Studies were made of the electrical plant for the development of additional 25-cycle power at DeCew Falls and for other sources of power, including the proposed St. Lawrence development and power sites on the Ottawa river.

### GEORGIAN BAY SYSTEM

The generating station at Big Eddy on the Muskoka river was placed in service in October 1941. This added 10,000-kv-a generating capacity to the system.

Two new distributing stations were installed and the transformer capacity of five others was increased. The total increased capacity in the seven stations is 2,800 kv-a.

Studies of alternative means of providing more power to the system were carried out and arrangements were made for raising the transmission voltage from 22,000 to 38,000 volts in order to increase the capacity of the circuits.

### EASTERN ONTARIO SYSTEM

A new generating station is being constructed at Barrett Chute development on the Madawaska river. The installation will consist of two 24,000-kv-a vertical type generators with two three-phase transformers of similar capacity to step-up to a transmission voltage of 110,000 volts. All equipment is purchased and the first unit will be in service in the summer of 1942.

A 15,000-kv-a transformer station was erected at Oshawa and additional transformer capacity was installed at Smith Falls transformer station.

Additional switching equipment was installed at Auburn transformer station and Ranney Falls generating station to connect in new 44,000-volt transmission circuits.

A sixty-five mile 110,000-volt transmission circuit from Sidney transformer station to Oshawa was placed in service and a twenty-six mile 44,000-volt circuit was built between Ranney Falls generating station and Auburn switching station.

A total increase in transformer capacity of 9,750 kv-a was installed at fifteen distributing stations on the system.

Arrangements were completed for accurate control of the system frequency and the necessary equipment will be installed at the generating stations during 1942.

### NORTHERN ONTARIO PROPERTIES

A bank of three 1,500-kv-a transformers was installed at Shiningtree transformer station replacing a 1,000-kv-a three-phase unit. An additional 3,000-kv-a transformer bank was installed at Sudbury distributing station.

A 26,400-volt transmission line was built from Shiningtree transformer station a distance of forty-two miles to supply power to Jerome Gold Mines Limited.

Plans were completed for increasing the flexibility of the interconnection between the Northern Ontario Properties (Abitibi district) and the Abitibi Pulp and Paper Company's system at Huntia where an 18,000-kv-a (circuit-capacity) auto-transformer will be installed. This will permit an increase in the system transmission voltage.

Studies were also carried out for additional power supply to the Sudbury district.

### OFFICE BUILDING

The Commission's sixteen storey office building was completed during the year and the staff re-established in the new quarters.

### DISTRIBUTION LINES

At the end of this section is a tabulation of the mileage of distribution lines constructed by the Commission in rural power districts and the number





TRANSPORTATION IN NORTHERN ONTARIO  
Cable for transmission line being hauled in by tractor

of consumers served. The capital invested in these rural power districts at October 31, 1941, was approximately \$38,900,000.

In addition to the extensions in connection with rural electrical service the Commission extended supply lines and constructed distribution systems for the Dominion Government to serve aerodromes in many sections of the Province. Engineering assistance was also given to the Department of Highways, and the Commission installed traffic signals and flashes at various intersections. A signal head with large red lens was developed and installed at about fifty locations.

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1941  
and Some of Special Importance for Completion in 1942

Installed transformers								Removed transformers	
Stations		No	Kv-a	Ph	Total kv-a	From	In service	NoKv-a	To
Niagara System									
N29	Atlas Steel	T.S.	1	25,000	3	25,000	Reserve	Mar. 2, '41	.....
N29	Atlas Steel	T.S.	1	25,000	3	25,000	Reserve	1942	.....
NA39	Burlington	T.S.	6	25,000	1	150,000	New	Oct. 11, '41	.....
N41	Crowland	T.S.	3	25,000	3	75,000	Reserve	Aug. 29, '41	.....
N24	Hamilton-Gage	T.S.	1	25,000	3	25,000	Reserve	Dec. 21, '40	.....
N28	Palmerston	T.S.	1	8,000	3	8,000	Reserve	1942	.....
N6	Preston	T.S.	3	2,850	1	8,550	Reserve	Feb. 23, '41	3 1,250 Reserve
N42	Toronto Power	T.S.	3	16,000	3	48,000	Reserve	1942	.....
N36	Toronto-Esplanade	T.S.	2	25,000	3	50,000	Reserve	1942	.....
N45	Welland	T.S.	2	5,500	1	11,000	Reserve	Dec. 9, '40	.....
N2902-1	Atlas Steel	D.S.	2	3,000	3	6,000	New	Mar. 2, '41	.....
N125	Dunnville (Dep.ofNat.Def.)	D.S.	1	1,500	3	1,500	Reserve	Nov. 17, '40	.....

**TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1941  
and Some of Special Importance for Completion in 1942**

Installed transformers							Removed transformers		
Stations	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
<b>Niagara System</b>									
—Continued									
N225 Hagersville D.S. (Dep.of Nat.Def.)	1	600	3	600	Reserve	Aug. 29, '41			
N224 Jarvis D.S. (Dep.of Nat.Def.)	3	200	1	600	Reserve	Aug. 3, '41			
N253 Rainham D.S.	1	300	3	300	Reserve	Mar. 1, '41			
N221 Ryckman D.S. (Dep.of Nat.Def.)	3	333	1	1,000	Reserve	Dec. 12, '40			
N251 Ryckman						Dec. 12, '40	3	150	Reserve
N3539 deHavilland D.S.	1	1,875	3	1,875	Reserve	Jan. 12, '41	3	500	Reserve
N3408 General Engineering Co. Stn.	1	1,875	3	1,875	Reserve	July 6, '41			
N3434 East York D.S. No. 4	1	1,875	3	1,875	New	Oct. 29, '41			
N3559 Sharon D.S.	1	600	3	600	Reserve	June 15, '41	2	150	Reserve
N3531 York (Stn. A.) D.S.	1	3,750	3	3,750	New	Dec. 5, '40			
N3532 York (Stn. B.) D.S.	1	3,750	3	3,750	New	Dec. 6, '40			
N3533 York (Stn. C.) D.S.	1	3,750	3	3,750	New	Dec. 9, '40			
N3534 York (Stn. D.) D.S.	1	3,750	3	3,750	New	Feb. 27, '41			
N3536 York (Stn. E.) D.S.	1	3,750	3	3,750	New	Feb. 23, '41			
N3537 York (Stn. F.) D.S.	1	3,750	3	3,750	New	Mar. 6, '41			
N451 Broughdale D.S.	3	500	1	1,500	Reserve	June 1, '41	3	250	Baden
N443 Exeter D.S.	3	150	1	450	Reserve	July 19, '41			
N455 Glendale D.S.	3	667	1	2,000	Reserve	Sept. 4, '41	3	250	Reserve
N440 Lucan D.S.	3	150	1	450	Reserve	Aug. 12, '41	3	100	Reserve
N530 Guelph D.S.	1	600	3	600	Reserve	Sept. 14, '41			
N637 Centreville D.S.	1	600	3	600	Reserve	Sept. 17, '41			
N735 Baden D.S.	3	250	1	750	Broughdale	Aug. 31, '41	1) 2)	150	Scrap Salvage
N821 Clinton D.S. (Dep.of Nat.Def.)	1	600	3	600	Reserve	June 30, '41			
N9D31 St. Marys R.S.	3	333	1	1,000	Reserve	April 20, '41	3	150	Reserve
N1047 Nor. Ingersoll D.S.	3	333	1	1,000	Reserve	Mar. 9, '41	3	150	Reserve
N1111 Aylmer D.S. (Dep.of Nat.Def.)	3	500	1	1,500	Reserve	May 6, '41			
N1138 Aylmer D.S.						May 6, '41	3	250	Reserve
N1253 St. Williams D.S.	3	333	1	1,000	Reserve	Nov. 10, '40	3	150	Reserve
N1233 Dumfries D.S.	1	75	1	75	Reserve	Mar. 9, '41			
N1856 Watford D.S.	1	150	3	450	Reserve	Dec. 22, '41			
K14 Service Building	3	75	1	225	New	May 18, '41	3	50	Reserve
N1432 Tilbury D.S.	1	300	3	300	Reserve	Dec. 19, '40			
N1857 Corunna D.S.	3	150	1	450	Reserve	Aug. 21, '41			
ND5 Beamsville D.S.		Dism	an	led		May 31, '41	3	100	Reserve
ND6 Grimsby D.S.		Dism	an	led		May 14, '41	3	500	Salvage
ND7 Smithville D.S.		Dism	an	led		May 31, '41	3	100	Reserve
<b>Georgian Bay System</b>									
G10 Big Eddy Dev.	3	3,000	1	9,000	New	Oct. 11, '41			
GE29 Durham-Russel D.S.		Dism	an	led		April 17, '41	3	150	Durham
GE7 Durham D.S.	3	150	1	450	GE29	Jan. 26, '41	3	100	Reserve



**TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1941  
and Some of Special Importance for Completion in 1942**

Installed transformers							Removed transformers		
Stations	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
<b>Georgian Bay System</b>									
—Continued									
GE5 Chatsworth D.S.	3	50	1	150	Callander D.S. (Can. Timber Co.) Reserve	Nov. 17, '40	3	25	Reserve
GS32 Alliston D.S.	3	200	1	600	Reserve	Oct. 5, '41	3	125	Reserve
GS2231 Camp Borden D.S.	1	50	1	50	New	July 9, '41			
GS2201 Camp Borden D.S. No. 1 (Dep.ofNat.Def.)	3	667	1	2,000	Reserve	June 22, '41	3	125	Property of Customer
GW14 Thorah D.S.	3	200	1	600	New	July 22, '41			
GW3 Cannington D.S.	3	150	1	450	Reserve	Nov. 1, '40	3	100	Reserve
<b>Non-System R.P. District</b>									
(Manitoulin (XM))									
XM131 Kagawong D.S.	3	100	1	300	New	Aug. 20, '41			
<b>Eastern Ontario System</b>									
Q16 National Research Ottawa T.S.	3	1,000	1	3,000	New	June 1, '41			
Q15 Oshawa T.S.	3	5,000	1	15,000	Reserve	Mar. 11, '41			
Q2 Smiths Falls T.S.	3	5,000	1	15,000	Reserve	Aug. 17, '41	4	1,250	Reserve
Q9 Carleton Place D.S.	1	750	3	750	Reserve	Aug. 31, '41			
QC6 Brighton D.S.	3	200	1	600	Reserve	Dec. 15, '40			Reserve
QC9301 Cataraqui R.S. (Dep.ofNat.Def.)	3	667	1	2,000	Reserve	Dec. 8, '40			
QC93 Cataraqui R.S.						Dec. 8, '40	3	250	Reserve
QC1832 Lakefield D.S.		Dism ant led				Dec. 9, '40	3	75	Reserve
QC29 Lindsay D.S.	1	1,500	3	1,500	Reserve	Dec. 18, '40			
QC26 Omemece D.S.	3	100	1	300	Reserve	Dec. 15, '40	3	50	Reserve
QC27 Oshawa D.S. No. 3	1	3,000	3	3,000	Reserve	Oct. 1, '41			
QC4001 Mountain View D.S. (Dep.ofNat.Def.)	3	250	1	750	Reserve	Jan. 17, '41			
QC20D31 Peterboro D.S. No. 3	3	200	1	600	Reserve	July 24, '41			
QC4503 Picton R.S. (Dep.ofNat.Def.)	3	250	1	750	Reserve	Nov. 17, '40			
QC45D32 Picton R.S.	3					Nov. 17, '40	3	100	Reserve
QC16 Port Hope D.S.	1	750	3	750	Reserve	Nov. 17, '40			
QC34 Sulphide D.S.	1	300	3	300	Reserve	July 6, '41			
QC24D31 Whitby D.S.	1	1,000	3	1,000	Reserve	June 29, '41			
QT134 Ottawa D.S. No. 2	3	250	1	750	New	June 28, '41			
QH5 Carleton Place D.S.		Dism ant led				Aug. 31, '41	3 3)	200 250	Salvage Salvage
QC3431 Nichols Chem. Co. M.E.		Remo ved				Sept. 28, '41	3	100	Scrap
QL14 Apple Hill D.S.	1	150	3	150	Reserve	Feb. 14, '41	1	150	Scrap
QL17 Maxville D.S.	3	50	1	150	Reserve	Nov. 10, '40	3	25	Reserve
<b>Northern Ontario Properties</b>									
FA25 Shiningtree T.S.	3	1,500	1	4,500	Reserve	April 20, '41	1	1,000	Reserve
FA1835 Hyslop D.S.	1	75	1	75	Reserve	June 30, '41	2	25	Reserve
FS11 Sudbury D.S. No. 2	3	1,000	1	3,000	New	June 22, '41			



## TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	Line route or structure miles			Circuit miles
		Total to Oct. 31, 1940	Additions 1941	Total to Oct. 31, 1941	Total to Oct. 31, 1941
<b>Niagara System</b>					
230,000-volt.....	steel	705.40	319.72	1,025.12	1,069.97
110,000-volt.....	"	829.36	30.77	860.13	1,545.43
110,000-volt.....	wood	74.54	5.01	79.55	81.38
90,000-volt.....	steel	65.85	.....	65.85	120.81
60,000-volt.....	"	78.75	*19.17	59.58	35.57
60,000-volt.....	wood	10.48	* 9.86	0.62	0.62
46,000-volt.....	steel	32.42	0.05	32.47	65.17
46,000-volt.....	wood	23.73	* 1.51	22.22	22.22
26,400-volt.....	"	747.67	90.02	837.69	986.45
13,200-volt.....	"	370.35	*60.56	309.79	337.78
13,200-volt.....	steel	1.17	.....	1.17	2.34
12,000-volt.....	wood	97.76	* 1.15	96.61	124.83
Dominion Power division—44,000-volt..	steel	34.76	.....	34.76	72.07
Dominion Power division—44,000-volt..	wood	118.37	* 1.80	116.57	112.95
Dominion Power division—22,000-volt..	"	28.69	.....	28.69	38.21
Dominion Power division—10,000-volt..	"	14.46	.....	14.46	14.46
<b>Georgian Bay System</b>					
110,000-volt.....	wood	55.83	.....	55.83	55.83
38,000-volt.....	"	182.55	16.82	199.37	199.80
6,600-volt.....	"	2.30	.....	2.30	2.30
Severn district—22,000-volt.....	"	147.11	*13.25	133.86	204.58
Eugenia district—26,400-volt and less...	"	247.40	* 1.25	246.15	328.73
Wasdell district—22,000-volt.....	"	83.43	.....	83.43	87.37
Muskoka district—38,000-volt.....	"	26.31	.....	26.31	26.31
<b>Eastern Ontario System</b>					
110,000-volt.....	steel	163.23	.....	163.23	166.54
110,000-volt.....	wood	214.38	67.11	281.49	281.49
44,000-volt.....	"	24.33	.....	24.33	24.33
33,000-volt.....	"	42.26	.....	42.26	47.94
Central district—44,000-volt and less...	"	530.88	*34.87	496.01	534.24
St. Lawrence district—44,000-volt.....	"	128.29	.....	128.29	128.67
Rideau district—26,400-volt.....	"	62.63	.....	62.63	62.63
Madawaska district—33,000-volt and less	"	58.81	0.20	59.01	59.01
<b>Thunder Bay System</b>					
110,000-volt.....	steel	82.12	.....	82.12	164.28
110,000-volt.....	wood	178.21	.....	178.21	178.21
44,000-volt.....	"	114.91	.....	114.91	114.91
22,000-volt.....	"	7.87	.....	7.87	7.87
12,000-volt.....	"	1.45	.....	1.45	1.45
<b>Northern Ontario Properties</b>					
Nipissing district—22,000-volt.....	wood	62.39	* 0.07	62.32	78.84
Sudbury district—110,000-volt.....	"	46.23	.....	46.23	46.23
Sudbury district—22,000-volt.....	"	59.86	1.50	61.36	61.36
Abitibi district—132,000-volt.....	steel	362.74	.....	362.74	725.48
Abitibi district—132,000-volt.....	wood	190.19	.....	190.19	190.19
Abitibi district—33,000-volt and less...	"	100.26	52.35	152.61	153.37
Patricia district—44,000-volt.....	"	344.02	.....	344.02	344.02
Patricia district—22,000-volt.....	"	33.01	.....	33.01	33.18
Totals.....		6,786.76	†440.06	7,226.82	8,939.42

\*Removals.

†Net increase.

TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR  
ENDED OCTOBER 31, 1941

NIAGARA SYSTEM

High-Voltage Lines

A 230,000-volt, single-circuit, steel-tower line was completed from the Ontario-Quebec boundary near the St. Lawrence 240.83 miles to Brooklin junction.

A 230,000-volt, single-circuit, steel-tower line was built from Brooklin junction 25.19 miles to Leaside junction.

A 230,000-volt, single-circuit, steel-tower line was built from Leaside junction 8.85 miles to Leaside transformer station.

A 230,000-volt, double-circuit, steel-tower line was built from Leaside junction 44.85 miles to Burlington transformer station.

Five 230,000-volt, single-circuit, steel towers entering Leaside transformer station were removed and replaced with extensions to the existing bridge structures.

Two 110,000-volt, double-circuit, steel-tower lines were built from Burlington transformer station 1.64 miles to Wentworth junction.

The 110,000-volt, double-circuit, steel-tower line from Hamilton junction to Nelson junction was looped through Burlington transformer station.

A 110,000-volt, double-circuit, steel-tower line was built from Hamilton junction 1.16 miles to Hamilton Beach transformer station.

The 110,000-volt, double-circuit, steel-tower line from Saltfleet junction 1.24 miles to Hamilton junction was removed.

The 110,000-volt, single-circuit, wood-pole line from Hamilton junction 1.16 miles to Hamilton Beach transformer station was removed.

A 110,000-volt, double-circuit, steel-tower line was built from Holland Road junction 7.07 miles to Michigan junction.

A 110,000-volt, single-circuit, steel-tower line was built from Michigan junction 2.30 miles to Atlas Steels transformer station.

A 110,000-volt, single-circuit, steel-tower line was built from Atlas Steels transformer station 2.27 miles to Crowland junction.

A 110,000-volt, double-circuit, steel-tower line was built from Crowland junction 0.70 mile to Crowland transformer station.

The 60,000-volt, single-circuit, steel-tower line from Crowland junction 4.42 miles and the double-circuit, steel-tower line 1.83 miles to Port Colborne transformer station were re-strung with heavier conductor and placed in service at 110,000 volts.

The 60,000-volt, single-circuit wood-pole line from Crowland transformer station 4.02 miles was rebuilt for 110,000-volt operation and extended to Port Colborne transformer station on one circuit of the double-circuit, steel-tower line above.

A 110,000-volt, single-circuit, wood-pole line was built from "T.P." transformer station 2.15 miles to Montrose junction.

The 60,000-volt, single-circuit, steel-tower line from Montrose junction 5.70 miles to Michigan junction was placed in service at 110,000 volts.

The 60,000-volt, double-circuit, steel-tower line from Michigan junction 3.43 miles to Crowland junction was placed in service at 110,000 volts.

The 60,000-volt, single-circuit, steel-tower line from Wabash junction 4.03 miles to Michigan junction was removed.

The 60,000-volt, single-circuit, wood-pole line from Wabash junction 3.21 miles to Thorold transformer station was removed.

A half-mile portion of the 60,000-volt, single-circuit, wood-pole line from Crowland to Port Colborne transformer station was removed.

A steel ground cable was installed on the 110,000-volt, single-circuit, steel-tower line from St. Thomas transformer station 1.03 miles to Essex transformer station.

Low-Voltage Lines

NIAGARA DISTRICT:—A part of the 12,000-volt line from "T.P." transformer station 4.10 miles to Welland Chemical Works was removed.

DUNDAS DISTRICT:—A 26,400-volt line was placed in service from Rainham junction 1.27 miles to Rainham distributing station.

A 26,400-volt line was built from Oneida junction 5.03 miles to Hagersville airport, 3.03 miles of which was for the Dominion Government.

PRESTON DISTRICT:—A 26,400-volt line was built from Preston transformer station 4.80 miles to Centreville distributing station.

KITCHENER DISTRICT:—The 13,200-volt line from Kitchener transformer station 12.22 miles to New Hamburg distributing station was converted to pole-top-pin construction.

STRATFORD DISTRICT:—A 26,400-volt line was built from Hullett junction 2.79 miles to the R.C.A.F. school, Clinton, for the Dominion Government.

WOODSTOCK DISTRICT:—The 13,200-volt line from Woodstock transformer station 11.08 miles to Norwich junction was reinsulated for 26,400 volts and converted to pole-top-pin construction; 4.87 miles were relocated.

The 13,200-volt line from Woodstock transformer station 9.93 miles to Ingersoll municipal station was reinsulated for 26,400 volts and converted to pole-top-pin construction; 3.50 miles were relocated.

The operating voltage of the district was raised from 13,200 volts to 26,400 volts.

ST. THOMAS DISTRICT:—A section of the 13,200-volt line from Aylmer junction to Aylmer distributing station was relocated.

BRANT DISTRICT:—A 26,400-volt line was built from Brant transformer station 1.88 miles to Consolidated Sand and Gravel junction.

A 26,400-volt line was built from Consolidated Sand and Gravel junction 0.50 mile to new Paris junction.

The 26,400-volt line from old Paris junction 1.49 miles to Consolidated Sand and Gravel junction was removed.

The 26,400-volt line from Bloomsburg junction 3.4 miles to Port Dover junction was removed.

KENT DISTRICT:—A 26,400-volt line was built from Kent transformer station 1.47 miles to Prince Albert junction.

YORK DISTRICT:—A 26,400-volt line was built from York transformer station 1.25 miles to York junction.

A 26,400-volt line was built from Lakeview junction 1.49 miles to Rifle Range distributing station.

The operating voltage of the district was raised from 13,200 volts to 26,400 volts.

HAMILTON DISTRICT:—A 13,200-volt line was built from Central Avenue junction 0.52 mile to Hamilton municipal station.

A 13,200-volt line was built from Hamilton-Gage transformer station 0.68 mile to the Burlington Steel Company.

A 13,200-volt line was built from Hamilton-Gage transformer station 0.68 miles to Sherman Avenue.

The 13,200-volt line from Hamilton Beach transformer station 1.37 miles to Windermere junction was relocated.

ST. CLAIR DISTRICT:—A 26,400-volt line was built from St. Clair transformer station 5.70 miles to Corunna distributing station.

TORONTO AND LEASIDE DISTRICTS:—A 13,200-volt line was built from Fairside Avenue junction 0.15 mile to East York distributing station No. 4.

A 13,200-volt line was built from Cedarvale Avenue junction 0.24 mile to East York distributing station No. 5.

A 13,200-volt line was built from Cedarvale Avenue junction 1.12 miles to East York distributing station No. 6.

A 13,200-volt line was built from East York distributing station No. 3, 0.77 mile to Fairside Avenue junction.

A 13,200-volt line was built from Fairside Avenue junction 0.61 mile to Cedarvale Avenue junction.

A 13,200-volt line was built from East York distributing Station No. 6, 0.78 mile to August Avenue junction.

One circuit of the 13,200-volt line from Leaside transformer station 0.29 mile to Don junction was restrung.

The 13,200-volt line from Don junction 3.91 miles to Wardin Avenue junction was restrung.



TORONTO AND FAIRBANK DISTRICT:—A 26,400-volt line was built from Fairbank transformer station 0.38 mile to Lyon Avenue junction.

A 26,400-volt line was built from Lyon Avenue junction 0.41 mile to Belvidere Avenue junction.

A 26,400-volt line was built from Belvidere Avenue junction 0.43 mile to York distributing station "D".

A 26,400-volt line was built from Belvidere Avenue junction 0.82 mile to York distributing station "F".

A 26,400-volt line was built from Fairbank transformer station 0.49 mile to York distributing station "E".

A 26,400-volt line was built from Lyon Avenue junction 0.16 mile to York distributing station "E".

A 26,400-volt line was built from Fairbank transformer station 2.50 miles to York distributing station "C".

A 26,400-volt line was built from York distributing station "C" 1.58 miles to York distributing station "A".

A 26,400-volt line was built from Kodak junction 0.18 mile to York distributing station "B".

THOROLD DISTRICT:—A 12,000-volt line was built from Interlake Tissue Mills 3.26 miles to Lincoln distributing station.

WELLAND DISTRICT:—A 26,400-volt line was built from Atlas Steels (Welland) transformer station 0.24 mile to Welland distributing station.

A 26,400-volt line was built from Crowland transformer station 2.01 miles to Atlas Steels (Welland) transformer station.

26,400-volt lines totalling 3.08 miles were built to complete four circuits between Crowland transformer station and Welland transformer station.

The 46,000-volt line from Schofield junction 1.17 miles to Welland distributing station was converted to 26,400-volt operation.

The 12,000-volt line from the Electro Metals Company 1.77 miles to Empire Cotton distributing station and Canada Steel Foundry was removed.

NIAGARA-DOMINION DISTRICT:—A section of the 44,000-volt line from Ship Canal junction to Niagara frequency changer station 1.80 miles in length was removed.

### GEORGIAN BAY SYSTEM

#### High-Voltage Lines

A 38,000-volt, single-circuit, wood-pole line was built from Big Eddy generating station 3.68 miles to Ragged Rapids generating station.

A 44,000-volt, single-circuit, wood-pole line was built from Seguin River junction 0.44 mile to Parry Sound Public Utilities Commission station for that Commission.

The 22,000-volt, double-circuit, wood-pole line from Fergusonvale junction 0.10 mile to Fergusonvale auto-transformer station was converted to single-circuit construction and reinsulated for 38,000 volts.

A 38,000-volt, double-circuit, wood-pole line was built from Camp Borden junction 1.50 miles to Barrie junction.

The 22,000-volt, single-circuit, wood-pole line from Barrie junction 1.02 miles to Barrie distributing station was converted to pole-top-pin construction and reinsulated for 38,000 volts.

The 22,000-volt, single-circuit, wood-pole line from Camp Borden junction 13.05 miles to Camp Borden distributing station was restrung and reinsulated for 38,000 volts, and converted to pole-top-pin construction.

The 22,000-volt, double-circuit, wood-pole line from Fergusonvale auto-transformer station 7.28 miles to Midhurst distributing station was rebuilt and one circuit was reinsulated for 38,000 volts.

The 22,000-volt, double-circuit, wood-pole line from Midhurst distributing station 3.34 miles to Camp Borden junction was rebuilt and reinsulated for 38,000 volts; 1.67 miles were relocated.

EUGENIA DISTRICT:—The 22,000-volt line from Hanover switching station 0.18 mile to Chesley junction was restrung.

The 22,000-volt line from Southampton generating station 1.25 miles to Southampton junction was removed.

SEVERN DISTRICT:—The 22,000-volt lines from Bradford junction 11.11 miles to Alliston distributing station were converted to pole-top-pin construction.

The sky wire was removed from the 22,000-volt line Big Chute generating station 7.50 miles to Swift Rapid generating station.

The 22,000-volt line from Camp Borden junction 3.28 miles to Barrie distributing station was removed.

#### EASTERN ONTARIO SYSTEM

##### High-Voltage Lines

A 110,000-volt, single-circuit, wood-pole line was built from Cyrville junction 1.47 miles to National Research (Ottawa) transformer station.

The 110,000-volt line from Sidney transformer station 65.64 miles to Oshawa transformer station was placed in service at 110,000 volts.

CENTRAL DISTRICT:—A 44,000-volt line was built from Ranney Falls generating station 25.74 miles to Auburn switching station.

A 44,000-volt line was built from Weller Bay junction 8.53 miles to Mountain View airport for the Dominion Government.

A 44,000-volt line was built from Whitby municipal station 4.60 miles to the plant of Defence Industries Limited at Pickering for that Company.

A 44,000-volt circuit was erected on poles owned by the Peterboro Utilities Commission from Peterboro municipal station No. 1, 0.52 mile to the Canadian General Electric Company.

The 11,000-volt line from Fenelon Falls generating station 13.64 miles to Lindsay distributing station was relocated.

The sky wire was removed from the 44,000-volt line Old Pulp Mill junction 15.50 miles to Stirling municipal station.

The sky wire was removed from the 44,000-volt line G.B. junction 13.46 miles to Belleville switching station.

The sky wire was removed from the 44,000-volt line Madoc switching station 9.60 miles to Madoc distributing station.

The sky wire was renewed for 0.67 mile on the 44,000-volt line Seymour generating station 1.20 miles to Old Pulp Mill junction; the balance was removed.

The 6,600-volt circuit from Auburn generating station 0.10 mile to Dominion Woollen Mills was removed.

MADAWASKA DISTRICT:—A 33,000-volt line was built from Calabogie junction 6.45 miles to Barrett Chute development.

The 11,000-volt line from Galetta generating station 6.25 miles to Arnprior distributing station was removed.

#### NORTHERN ONTARIO PROPERTIES

ABITIBI DISTRICT:—A 26,400-volt line was built from Larder Lake transformer station 9.92 miles to Yama Gold Mines Limited.

A 26,400-volt line was built from Broulan Porcupine Mines Limited 0.60 mile to Bonetal Gold Mines Limited.

A 26,400-volt line was built from Shiningtree transformer station 41.60 miles to Jerome Gold Mines Limited.

The 26,400-volt line from Ramore transformer station to Hollinger Consolidated Gold Mines Limited (Ross Mine) was extended 0.23 mile to the new mine station.

The 26,400-volt line from Paymaster Consolidated Gold Mines Limited to Simpson Lake junction was relocated for 0.10 mile.

SUDBURY DISTRICT:—The 22,000-volt line from Neelon junction was extended 0.69 mile to Sudbury distributing station No. 2.

The 22,000-volt line from Sudbury distributing station No. 1 was extended 0.66 mile to Sudbury distributing station No. 2.

The 22,000-volt line from Coniston generating station to Sudbury distributing station No. 1 was relocated for 1.08 miles.

NIPISSING DISTRICT:—The 22,000-volt line from Callander junction 0.07 mile to Canadian Timber Company Limited was removed.



## TELEPHONE LINES—ALL SYSTEMS

In the Niagara system, portions of the line from Dundas transformer station to Sheridan junction were rebuilt for a distance of 14.5 miles. The single circuit, which is carried on transmission line poles a distance of 9.5 miles from Sharon distributing station to Keswick junction, was completely rebuilt. Part of the line from London transformer station to St. Thomas transformer station was rebuilt, a distance of 2.2 miles. The single circuit from Stratford transformer station to St. Marys transformer station was rebuilt, a distance of 14.2 miles. Portions of the line from St. Thomas transformer station to Kent transformer station, totalling approximately 10 miles, were completely rebuilt. A portion of the line from Erbs junction to Stratford transformer station, 3.7 miles in length, was relocated and rebuilt.

A single circuit was erected on the 13,000-volt transmission line poles from Preston transformer station 4.80 miles to Centreville distributing station. A single circuit was erected on 26,000-volt transmission line poles from St. Clair transformer station 5.70 miles to Corunna distributing station. A single circuit was erected on the 13,000-volt transmission line poles from Interlake Tissue Mills 3.26 miles to St. Catharines (Vine street) station.

A single circuit was erected for the Dominion Government on 26,000-volt transmission line poles from Oneida junction 5.03 miles to the R.C.A.F. flying school at Hagersville. Also a single circuit was erected on 26,000-volt transmission line poles from Hullett junction 2.79 miles to Clinton R.C.A.F. wireless school.

For the purpose of control and telephone service, a 45-pair, paper-insulated, lead-covered cable was installed from Bridgman-Davenport transformer station 3 miles to Wiltshire transformer station. A 52-pair, paper-insulated, lead-covered cable was installed from Atlas Steels transformer station 2.89 miles to Crowland transformer station.

Telephone line carrier installations were made for operation between Niagara transformer station and Wiltshire transformer station and between London transformer station and Wiltshire transformer station.

In the Georgian Bay system, a single circuit was erected, partly on 44,000-volt transmission line poles, from Big Eddy generating station a distance of 40.9 miles to Canadian Industries Limited at Nobel. Portions of the line between Painswick distributing station and Fergusonvale switching station totalling 3.2 miles were re-routed, and two new circuits were erected on 38,000-volt transmission line poles for a distance of 1.02 miles from Barrie junction to Barrie distributing station.

In the Eastern Ontario system, the line from Sidney transformer station to Belleville switching station was rebuilt, a distance of approximately 12 miles. A four-circuit line was rebuilt and a 35-pair cable was installed from Port Hope distributing station 700 feet to Port Hope switching station.

A double circuit was erected on 33,000-volt transmission line poles from Calabogie generating station 6.80 miles to the new Barrett Chute development. A single circuit was erected from Smiths Falls transformer station 1.1 miles to the Smiths Falls field office. A single circuit was erected from Winchester distributing station a distance of 1.3 miles to the Winchester rural office. A single circuit was erected on 11,000-volt transmission line poles a distance of 13.64 miles between Fenelon Falls generating station and Lindsay transformer station. A double circuit was erected from Oshawa transformer station 1.16 miles to Oshawa distributing station No. 1. A single circuit was erected from Oshawa distributing station No. 2 a distance of 5.86 miles to Brooklin and Brinlock junctions.

A single circuit was constructed for the Dominion Government on 44,000-volt transmission line poles from Weller Bay junction 8.43 miles to Mountain View airport.

A 19-pair, paper-insulated, lead-covered cable was erected from Oshawa transformer station a distance of 1.16 miles to Oshawa distributing station No. 1.

Telephone line carrier installations were made for operation between Smiths Falls transformer station and Ottawa transformer station.

In the Northern Ontario Properties, a single circuit was erected on 26,000-volt transmission line poles from Larder Lake transformer station 9.92 miles to Yama Gold Mines Limited. A single circuit was erected on 26,000-volt transmission line poles from Shiningtree transformer station 41.60 miles to Jerome Gold Mines Limited. A three-circuit line was erected from Kirkland Lake transformer station a distance of 1.37 miles to Kirkland Lake switching station. A single circuit was erected on 22,000-volt transmission line poles from Sudbury distributing station No. 1 a distance of 2.26 miles to the new Sudbury distributing station No. 2.

The single circuit on 22,000-volt transmission line poles was restrung from Minnow Lake diversion 4.6 miles to Sudbury distributing station No. 1.



## DISTRIBUTION LINES AND SYSTEMS IN RURAL POWER DISTRICTS

The following summary shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total construction during the year of 771 miles of new primary line completed and giving service to 8,896 additional consumers.

### SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1940		At October 31, 1941					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM. . . . .	11,372.68	76,123	11,736.46	42.77	11,779.23	81,088	155	81,243
GEORGIAN BAY SYSTEM	2,878.10	17,200	3,049.59	13.71	3,063.30	18,487	18	18,505
Severn district. . . . .	854.12	6,841	628.63	2.49	631.12	4,492	6	4,498
Eugenia district. . . . .	1,041.19	4,315	1,134.63	9.56	1,144.19	4,730	2	4,732
Wasdells district. . . . .	431.69	2,913	452.03	.40	452.43	3,076	4	3,080
Muskoka district. . . . .	361.52	2,043	367.34	.08	367.42	2,165	1	2,166
Bala district. . . . .	101.43	629	108.50	.0	108.50	678	0	678
System R.P.D. s. . . . .	88.15	459	358.46	1.18	359.64	3,346	5	3,351
EASTERN ONTARIO								
SYSTEM. . . . .	4,448.06	25,305	4,618.54	18.66	4,637.20	26,962	80	27,042
Central district. . . . .	2,650.39	15,262	2,757.21	10.57	2,767.78	16,327	49	16,376
St. Lawrence district	1,024.79	5,310	1,064.97	4.64	1,069.61	5,600	20	5,620
Rideau district. . . . .	271.66	1,410	279.59	.20	279.79	1,474	1	1,475
Madawaska district. . . . .	149.52	1,125	155.82	1.12	156.94	1,228	1	1,229
Ottawa district. . . . .	271.69	1,768	280.90	2.13	283.03	1,859	9	1,868
System R.P.D. . . . .	80.05	430	80.05	.0	80.05	474	0	474
THUNDER BAY SYSTEM	273.18	1,134	286.16	6.20	292.36	1,313	17	1,330
NORTHERN ONTARIO								
PROPERTIES. . . . .	279.09	2,596	331.88	.0	331.88	3,404	0	3,404
Abitibi district. . . . .	41.00	143	53.04	.0	53.04	254	0	254
Manitoulin district. . . . .	141.55	637	162.16	.0	162.16	956	0	956
Sudbury district. . . . .	14.34	1,000	28.50	.0	28.50	1,286	0	1,286
Nipissing district. . . . .	82.20	816	88.18	.0	88.18	909	0	909
Totals. . . . .	19,251.11	122,358	20,022.63	81.34	20,103.97	131,254	270	131,524

## SECTION VII

### TESTING—RESEARCH—INSPECTION

#### PRODUCTION AND SERVICE

THE Laboratories were active in research studies and investigations, routine testing and factory inspection, in examination and testing of electrical appliances for the safety of the public, and in war work.

With the continuance of the war, the value of research work has increased greatly and become one of the more important factors in the defence preparations of the Empire. The Commission has contributed to the war effort through the Laboratory staff and through its research activities in important construction and operation problems. Several members of the Laboratory staff have been released to the Government for special war research work.

One research project resulted in the development of devices to minimize harmful vibration of line conductors and thus make possible a reduction in the cost of building high-tension lines and an appreciable extension of the life of line conductors.

Problems in the use of concrete were investigated and new methods of test adapted to obtain further information regarding the magnitude of stresses in concrete structures. The disintegration of concrete and cracking caused by thermal effects continued to be important subjects of research.

Radio interference was studied with a view to improving conditions for broadcast listeners, and new instruments of high sensitivity were provided for use in these investigations.

The inspection service of the Laboratories is continuously in demand and the staff is active in ensuring that the equipment purchased by the Commission will have the desired operating characteristics and the highest possible efficiency. Priority regulations have increased the work required to prevent delays.

The Approvals Laboratory continued testing devices and fittings as agent of the Canadian Engineering Standards Association, and has effectively co-operated with the Electrical Inspection department to ensure protection against electric shock and fire, and to keep accidents in the Province at a minimum. Due to limitations in production of electrical equipment under war regulations, the volume of work decreased.

The photographic, blue-printing and photostat branches handled a larger amount of work. In August, their equipment and staffs were transferred to a more central location.

## TESTING AND RESEARCH LABORATORIES

### Routing and General Testing

The Laboratories each year conduct routine tests on many products and materials and inspect various equipment for the Commission and for the associated municipal Hydro utilities, during manufacture, after completion in the factory, and when erected. These services ensure a high quality in material and workmanship leading to satisfactory operation and low maintenance expense.

### Materials and Equipment Inspection

#### Transmission Line Materials

A large quantity of transmission line materials including crossarms, insulator pins, brackets, clamps, general hardware, wire and cable was inspected. The amount of copper wire, steel reinforced aluminum and galvanized steel cable inspected was 4,972 tons, about 23 per cent more than in the previous year. Due to the necessity of conserving aluminum for war purposes the production of aluminum cable ceased about March 1941.

Vibration dampers for use on two new long transmission lines were an important part of the inspection work.

#### Electrical Equipment

Factory inspection was made and electrical tests witnessed on 248 transformers, with a total capacity of 385,229 kv-a. The number of oil circuit-breakers tested, 98, increased by 42 per cent, and their total capacity, 6,277,801 kv-a, was nearly 70 per cent higher. The high-voltage disconnecting switches inspected numbered 208 with a total capacity of 47,975,000 kv-a, more than three times the capacity inspected in the previous year. Also, there were inspected 3,640 low-voltage fused switches and cutouts with capacity amounting to 1,304,000 kv-a. The large increases are due to the construction of new transformer and switching stations.

There was a small increase in the number of distribution transformers tested; the total was 3,024 units. Line and bus insulators to the total of 278,000, value \$409,100, were inspected at the factory and tests witnessed. About 36 per cent of these were suspension types. Inspection also included metal-clad switchgear and unit substations for twelve installations.

Gradient tests were made on about 12,000 transformer and oil circuit-breaker bushings, and insulators in position on the equipment. This is nearly three and one-half times the number tested in the previous year. The testing of bushings by this method undoubtedly is reducing the number of



interruptions and also, by finding faults which can be repaired more cheaply than if delayed until the bushings have failed, is saving much expense.

Routine tests were made in the Laboratories on 6,196 pairs of linemen's gloves, 3,136 samples of insulating oil, 1,256 instrument and distribution transformers, 206 thermostats, and 12,000 insulators. These numbers represent a small increase. A total of 6,464 watthour meters were repaired and checked, and 113 indicating instruments calibrated.

#### **Mechanical and Structural Equipment**

In addition to the examination of welding and other features in the fabrication of the tanks for the large number of power transformers and oil circuit-breakers tested, four turbines, five generators and two penstocks were inspected. Upon request, the Laboratories undertook the inspection of 48 welded tanks for a transformer manufacturer, and also examined 198 lighting standards for the Department of Highways. Ten welded oil storage tanks, sixteen street car axles and a variety of equipment for new transformer and generating stations were inspected. Welding and painting were given special attention.

#### **Concrete**

Seven resident concrete inspectors, eight other inspectors and two part-time assistants were stationed on eight construction projects. Their duties were the testing of aggregates, supervising the processes and checking generally the quality of the concrete.

Field inspection of one structure at Lakefield was made in order to observe any deterioration and apply remedial measures.

Field surveys for materials required for construction were made at six sites:—Waboose, Summit, Zig Zag, Jack Fish, Tomiko and DeCew Falls.

#### **Protective Coatings**

Paints and other protective coatings for use on the Commission's structures were studied, and 94 samples tested for quality. The weatherometer for accelerated weathering tests was used extensively.

#### **Steel and Timber**

Steel inspected this year amounted to 7,744 tons, practically all of which was for new stations and transmission lines. A total of 8,000 pine and cedar poles was examined with less than one per cent rejected as unsuitable for the Commission's use.

#### **Lamps and Lighting Equipment**

Factory examination and testing included 70,864 lamps, and at the Laboratory 4,813 life tests were completed. Direction and reflex signals, fog lamps and other automobile equipment were tested for the Department of Highways. About fifty samples of paint were tested for baking by infra-red rays, the new equipment for this purpose finding increasing application for industrial use. Several foot-candle meters were calibrated and a number of candle-power distribution tests completed.

## Research

Research problems are studied in the laboratories and in the field. Tests and investigations obtain definite and reliable information on the quality of materials and the characteristics and behaviour of equipment. They ensure continuity of service at high efficiency and thus keep cost of operation at a minimum.

### Vibration of Transmission Line Conductors

This research has been of great value in the design of power transmission lines to avoid vibration fatigue.

Two papers on the theory of conductor vibration, and its measurement and control, were presented at the Summer Convention in Toronto of the American Institute of Electrical Engineers.

Field studies were made in regard, chiefly, to the protection of the hollow-core copper conductors installed on the new Leaside-Burlington 220,000-volt transmission line. Laboratory work was a continuation of the study of the fatigue and physical characteristics of aluminum, steel and copper wire and conductors, and included stress and curvature measurements on the new hollow-core conductors. Details for the designs of torsional dampers for use with this type of conductor, for ground wire and for 605,000 circular-mil steel-reinforced aluminum cable were submitted to the transmission engineers.

Three fatigue testing machines for wire were in continuous use and a fourth unit was added late in the year.

Two vibration test spans for use by the Laboratories, were installed in the basement of Strachan Avenue transformer station. These allow testing to be conducted in all seasons and without regard to weather conditions.

### Electrical Insulation

Considerable attention was given to the problem of locating faults in rural underground cable. Tests were made using audio-frequency currents which may readily be detected, and also with the Kenotron for high-voltage investigations. Impulse testing equipment was assembled to study the behaviour of lightning arresters.

### Remote Control of Loads

A large amount of information has been obtained as a result of experience with installations for the remote control of loads, in their trial period. These data have been compiled to assist any municipalities which may desire to install remote control systems for electric water heaters, lighting loads, etc., to reduce peak load demands.

### Radio Interference

Laboratory tests were made on equipment suspected of producing radio interference and also on low-voltage appliances. The causes of interference were studied and methods devised for eliminating or reducing the trouble.



#### FATIGUE TESTS ON POWER CONDUCTORS

Cables in centre and at the right are vibrated by mechanical generators having eccentrically-weighted flywheels. For the cable at the left, the electro-magnetic vibration generator and control equipment are used

Field tests were made on several power lines. During the year, members of the staff have co-operated closely with the Department of Transport and the Canadian Engineering Standards Association in studies of interference suppression.

#### Electronic Applications

Communication tests were made over a distance of eighty miles using carrier frequency on telephone circuits. Important information was obtained for comparison of types of conductors and grounded or ungrounded return circuits.

Studies of communication with patrol trucks were undertaken and the equipment of one manufacture was successfully demonstrated to the Commission's engineers.

#### Domestic Hot Water Tanks and Heaters

Tests on experimental hot water tanks and heating elements were continued and a special iron tank with vitreous enamel lining was installed. This investigation is producing valuable results contributing to longer life in both elements and tanks. Immersion and strap-on types of heater were tested and studies were made of deterioration and scale formation.

#### Electric Welding

Investigations were conducted on methods of measuring stresses in welded joints and the effects of stress relieving in reducing the magnitude of initial stresses created by the welding operation. These studies are proving of value in ensuring reliable welded joints.



### **Masonry Materials**

A large part of the year was devoted to study of mass concrete problems in regard to dams. Extensive tests were made during the construction of the dam at Barrett Chute to investigate factors that influence cracking. Further work of an exploratory nature was done at Chats Falls where cores were being removed. Investigations included tests on absorptive form linings, protection of concrete during cold weather and measurement of its physical and thermal properties.

Durability tests were made on freezing and thawing of concrete, and means of measuring disintegration were studied. Some work was done on methods of curing using special mats for covering decks and slabs. Various other problems were studied with a view to improving durability of concrete structures.

### **Paints and Protective Coatings**

A number of different samples of paint were tested to determine their quality for the Commission's use, and studies were continued on certain finishes for underground exposure. A special non-skid floor paint was tested and work done on a rubber asphalt emulsion for expansion joints.

Comparative tests were made on materials for lubricating and protecting lead-covered cable while it is being drawn through ducts.

### **Petroleum Products**

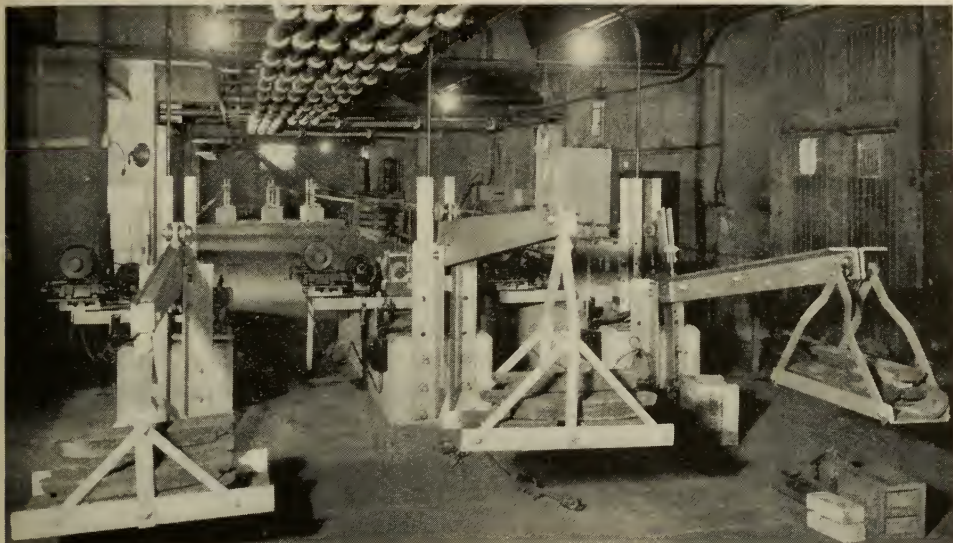
Experiments were run on the diffusion of air through oil and on gravity circulation of oil through special earths to reduce acid and sludging. Tests were completed on the deteriorating effect of sunlight on insulating oils and it was found that amber glass is of some value in lessening this action. Co-operative work with the American Society for Testing Materials was continued in an attempt to establish standard procedure for determining the sludging properties of oils.

### **Treatment of Wooden Transmission Structures**

A large number of poles previously equipped with sand creosote collars were retreated during the summer. This method of preventing deterioration at the ground line has been applied to nearly 400,000 poles and has proved very successful. Various ground-line preservatives are being tested over a period of time in specially selected test beds at different places.

### **Joints in Electrical Conductors**

Life tests were made on sample joints in steel-reinforced aluminum cable, and special joints were designed for important new transmission lines. A number of defective joints in older power lines were repaired. The deterioration of thirty-six specimen joints in electrical conductors has been under observation at the Laboratories for several years and valuable information on the resistance changes in different joints is being obtained.



VIBRATION OF LINE CONDUCTORS

Conductors maintained at constant tension on hundred-foot spans are vibrated to determine the fatigue life for various intensities of stress at the point of clamping

### Grounding

The general problems of grounding transformer cases and pole line hardware were studied, and further attention was given to the subject of transformer and consumer grounds, particularly in rock country such as the region of Tobermory.

### Miscellaneous Research

In addition to the specific investigations undertaken by research sub-committees, many other studies were carried on. New equipment was installed for the study of soil mechanics. X-ray investigations were made on a variety of test specimens, materials and products for use in the field. Drying by the use of infra-red rays was studied with a view to making recommendations to manufacturers for installations of equipment to dry paints and enamels. A number of investigations were made on different materials and processes used by manufacturers in power equipment produced for the Commission and several problems regarding methods of assembly and electrical testing were solved.

### New Equipment

A number of items of new testing equipment were designed and built at the Laboratories. These included a special viewing cabinet for X-ray fluoroscopic studies, an extensometer for measuring the strain in wire samples, a new electronic drive for vibrating fatigue test spans, two portable testing



panels for watthour meters, a test cell for measurement of power factor of oil and other liquid insulation, two sieving machines, and soil testing equipment for determining the physical properties of earth dam materials.

Several new instruments and other test equipment were purchased and installed, the most important items being three recording thermometers, a bridge for measuring power factor and capacity of insulation, an instrument for locating the source of radio interference, X-ray equipment for examination of cable joints and metal parts, refrigeration equipment for low temperature tests on concrete specimens, a second oxygen bomb for test of rubber insulation, special motor generator sets for meter testing and for locating faults in underground cables, a viscosimeter for testing the viscosity of oils, a self-regulating transformer for meter calibration, a fourth fatigue testing machine for wire, a concrete mixer and electric vibrator, a saw for cutting rock and concrete, a half-ton chain block and a 400,000-pound compression testing machine for field use.

#### Specifications and Committee Work

Members of the Laboratories' staff attended meetings and conferences of a number of organizations and assisted in the preparation of specifications and other committee activities. These organizations included: Canadian Engineering Standards Association, National Research Council, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, American Society for Testing Materials, Radio Manufacturers Association, The Ontario Municipal Electric Association, and The Association of Municipal Electrical Utilities.

### APPROVALS LABORATORY

This section of the Laboratories has continued to function as part of the Canadian Engineering Standards Association in carrying on approvals testing and factory re-examination of electrical equipment in all parts of Canada, and for many manufacturers in the United States who have applied for approval under the Canadian Electrical Code in order to sell their products in Canada. The Approvals engineer attended the meetings of the administrative board of the Approvals division which were held in Toronto, Ottawa and Montreal.

The testing work of this laboratory decreased but the number of labels sold was about 38 per cent greater than in the previous year. This increase was all in insulated wire, cable, cord and rigid conduit, and was largely due to the heavy building programmes for war industry plants and for war-time housing schemes.

The lower number of applications for approval was most noticeable in electrically-heated appliances and in radio, sound and picture equipment, and evidently was the effect of enforcement of federal legislation designed to conserve foreign exchange and the spending of income on luxuries.



## ELECTRICAL INSPECTION DEPARTMENT

The department handled the largest volume of work since it was organized 26 years ago. A larger number of inspections was made in plants directly connected with the war effort, due to the fact that some of the major projects were not in an advanced stage of production in 1940.

### Statistical

A total of 120,717 permits was issued, an increase of 1.2 per cent over the previous year, and 213,636 inspections were made, about the same number as in 1940.

### Fires Attributed to Electricity

In making routine investigations of fires reported during the year as having been caused through defective wiring and equipment, seven were found to have originated from this source. The evident causes were, an iron left in circuit unattended, a defective switch in a fixture, incandescent lamps in contact with waste material and with a plywood panel, short circuits in a supply line and in flexible cord, one short circuit caused by a rodent, and a loose connection in a terminal box.

Some other fires, attributed to electrical causes before investigation, may have originated in electric wiring or equipment but the evidence available, considering the extent of the fires, would not substantiate such a finding.

### Electrocutions and Fatal Accidents

Four persons lost their lives through coming into contact with electric wiring and equipment in the Province. Three were electrocuted, a carpenter touched open live parts on an elevator control panel, a millwright made contact with a poorly insulated section of a secondary power feeder, and an engineer, making repairs inside a steam boiler, became connected between a defective extension light and the grounded metal. In the fourth accident, a child died from burns received when her night clothes were ignited through contact with a portable electric air heater.

### Ground Tests

A total of 2,511 ground resistance tests were made in isolated communities and rural districts.

### Infractions of Regulations

Thirty-two persons and companies were prosecuted for infractions of the rules and regulations governing the installation, sale and disposal of electric wiring and equipment.

### The Canadian Electrical Code

Engineers of the Canadian Engineering Standards Association, and members of the Engineering department and Electrical Inspection staff

attended twenty meetings and assisted in compiling and revising sections of Parts I, II and IV of the Code.

The work associated with Part I of the Code, on Electrical Installations, includes the issuing of interim revisions and interpretations and attending meetings of the Central Committee. That associated with Part II, on Approval Specifications for Electrical Equipment, involves the preparation of draft specifications and includes meetings with Part II Committee. The work on Part IV, on Radio Interference, includes the preparation of drafts of sections of specifications which will be a code of good practice so far as the suppression of radio interference is concerned. This work also includes attendance at meetings of the Committee on Part IV and meetings of panels and sub-panels of the Main Committee.

Considerable attention was given to the preparation and editing of galley and page-proof forms for the Part I and Main Committees and in compiling final preliminary drafts for the Part II Committee. Thirteen new and revised specifications of Part II were issued and twenty-five other specifications were advanced. Work was started on seven new specifications or editions thereof and in three instances these reached galley or page-proof form. A large amount of secretarial work was necessary on the preliminary draft stages of other specifications.

### PRODUCTION AND SERVICE DEPARTMENT

The volume of work done in the machine shop, carpenter shop and garage continued to increase, the 1941 operations being 15 per cent in excess of those of the previous year, and 36 per cent more than they were two years before. In addition the facilities of the machine shop were placed at the disposal of the Public Utilities Wartime Workshop Board for the purpose of relieving congestion in branches of war industry.

A total of 1,789 orders was completed by the machine and carpenter shops. The work of the garage included overhauling 69 trucks, reconditioning 24 items of gasoline-driven equipment for the Construction department, and completing 935 orders for miscellaneous truck repairs. The policy of regularly and systematically inspecting the Commission's fleet of 359 trucks was continued.

Motor vehicles and other equipment purchased included 63 trucks and 6 trailers. Of the trucks, 33 were replacements and the remaining 30 were additions to the fleet. The mileage operated by the fleet this year was approximately 3,400,000 miles.

### PHOTOGRAPHY, PHOTOSTAT AND BLUE PRINTING

The work of this department increased in all branches. Photographic orders totalled 875, or 18 per cent more than last year. Blue print orders were 8,281, an increase of 15 per cent; 126,422 prints were made. The orders for photostat prints amounted to 680, an increase of 12 per cent, requiring 9,316 prints.

# SECTION VIII

## ELECTRIC RAILWAYS

### THE HAMILTON STREET RAILWAY COMPANY

A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System

Gross earnings on the Hamilton Street Railway for the year 1941 increased 21.52 per cent. Operating expenses (including taxes) increased 22.88 per cent. The result was an increase in net earnings of \$22,642. The increase in net earnings was due to improved industrial conditions.

The balance sheet and income account are given at the end of Section IX.

Operating results are summarized and compared in the following tabulation and chart.

#### HAMILTON STREET RAILWAY

#### Comparative Operating Statistics

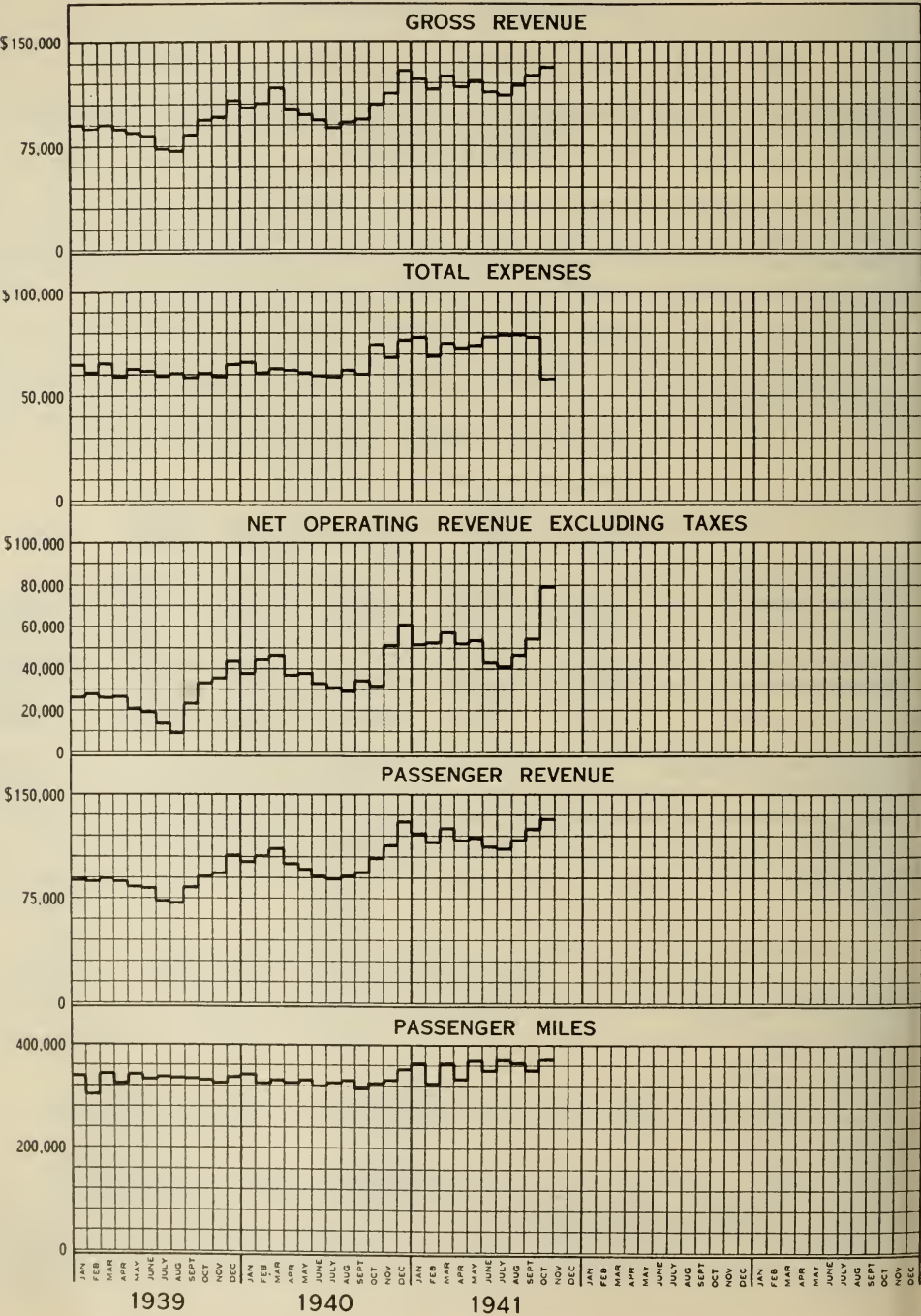
	Street-cars \$	1940 Buses \$	Total \$	Street-cars \$	1941 Buses \$	Total \$
Operating revenues:						
Transportation.....	897,081	283,622	1,180,703	1,008,496	428,050	1,436,546
Other operations.....	11,363	641	12,004	12,057	810	12,867
Operating revenue.....	908,444	284,263	1,192,707	1,020,553	428,860	1,449,413
Operating expenses.....	808,290	214,676	1,022,966	954,481	302,549	1,257,030
Net revenue for year.....	100,154	69,587	169,741	66,072	126,311	192,383
Appropriation for dividend.....			177,228			177,228
Surplus for year.....			7,487*			15,155

	1940	1941
Route-miles:		
Street-car.....	27.97	18.44
Bus.....	16.57	20.41
Total.....	44.54	38.85
Track-miles.....	42.62	42.62
Passenger cars operated:		
Passenger cars.....	68	70
Passenger buses.....	36	50
Car-miles operated:		
Passenger cars.....	2,463,090	2,309,731
Passenger buses.....	1,519,695	1,950,931
Car-hours operated:		
Passenger cars.....	262,885	250,625
Passenger buses.....	124,624	162,943
Passengers carried.....	21,806,817	26,396,511
Percentage of transfer passengers to revenue passengers.....	18.9%	21.95%

\*Deficit.



THE HAMILTON STREET RAILWAY COMPANY  
OPERATING STATISTICS



## SECTION IX

### FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission in the  
Niagara, Georgian Bay, Eastern Ontario and Thunder Bay  
Systems on Behalf of Municipalities

and to

Northern Ontario Properties Held and Operated by the Commission  
in Trust for the Province of Ontario, and

The Hamilton Street Railway Company—A Subsidiary of  
Niagara System

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**I**N this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Niagara system.

#### Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems. These tables include a **balance sheet**; a **statement of operation and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, power accounts receivable, funded debt issued or assumed, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves, sinking fund reserves** and the account with the Provincial Treasurer of the Province of Ontario.

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment that is made at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,\* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contingencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out, to enable the undertaking to replace existing equipment with improved equipment as it become available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

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\*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.



The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

### Tabular Data

The following comments relate to the tabular data presented:

**Balance Sheet.**—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities of the several co-operative systems.

**Statement of Operation and Cost Distributions.**—This statement is a summary of operating expenses and fixed charges as shown in the “cost of power” tables relating to the individual systems as referred to more particularly below.

**Fixed Assets.**—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1941.

**Capital Expenditures and Grants—Rural Power Districts.**—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

**Power Accounts Receivable.**—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the “credit or charge” statements for municipalities. The main details of those debit balances three months or more overdue are stated.

**Funded Debt Issued or Assumed.**—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, and the Northern Ontario Properties. It should be noted that where securities have been issued to finance properties operated for others, this liability is only shown in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheets of the Northern Ontario Properties.

**Renewals Reserves,  
Contingencies and Obsolescence Reserves, and  
Stabilization of Rates Reserves.**

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

**Sinking Fund Reserves.**—This schedule summarizes the appropriation of principal and interest with respect to these reserves for each of the systems and certain other properties.

**Account with the Provincial Treasurer.**—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

**Cost of Power** statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

**Credit or Charge** statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service. The credits and charges for the municipal electric utilities are taken up and given effect to in the accounts of "Hydro" utilities.

**Sinking Fund** statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

**Rural Operating** statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

## **Northern Ontario Properties**

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, contingencies and obsolescence reserves, and sinking fund reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

## **The Hamilton Street Railway Company**

This is a subsidiary of the Niagara system of the Commission. A balance sheet and operating and income account are presented.

## **Municipal Utilities**

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

## **Auditing of Accounts**

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.





THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FINANCIAL ACCOUNTS

For the Year Ended October 31, 1941

Relating to Properties operated on a "Cost Basis" for the Co-operating  
Municipalities and Rural Power Districts which are supplied with  
Electrical Power and Services from the following Properties:

Niagara System  
Georgian Bay System  
Eastern Ontario System  
Thunder Bay System  
Service and Administrative  
Buildings and Equipment

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STATEMENTS

Balance Sheet as at October 31, 1941

Statements of Operations and Cost of Power for the Year ended  
October 31, 1941.

Schedules supporting the Balance Sheet as at October 31, 1941:

Fixed Assets—By Systems and Properties  
Capital Expenditures and Grants—Rural Power Districts  
Power Accounts Receivable  
Funded Debt Issued or Assumed  
Renewals Reserves  
Contingencies and Obsolescence Reserves  
Stabilization of Rates Reserves  
Sinking Fund Reserves

Account with the Provincial Treasurer of the Province of Ontario  
Statements for Municipalities Receiving Power under Cost Contracts

## THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT OCTOBER 31, 1941, IN

Niagara System

Georgian Bay System

## ASSETS

## FIXED ASSETS:

Niagara system.....	\$241,606,688.30
Georgian Bay system.....	16,411,222.12
Eastern Ontario system.....	32,052,562.85
Thunder Bay system.....	20,303,489.89
Service and administrative buildings and equipment.....	4,330,051.96

\$314,704,015.12

Less: Grants-in-aid of construction:

Province of Ontario—for rural power districts..... 18,849,420.20

\$295,854,594.92

## INVESTMENTS:

The Hamilton Street Railway Company—Capital stock....	\$ 3,000,000.00
Other investments.....	209,741.50

3,209,741.50

## CURRENT ASSETS:

Employees' working funds.....	\$ 64,290.80
Sundry accounts receivable.....	1,210,746.53
Power accounts receivable.....	4,948,155.14
Interest accrued.....	575,104.79
Consumers' and contractors' deposits:	
Cash deposits.....	\$ 14,404.25
Securities—at par value.....	948,799.19

963,203.44

Prepayments..... 70,290.20

7,831,790.90

## INVENTORIES:

Construction and maintenance materials and supplies.....	\$ 2,515,421.73
Construction and maintenance tools and equipment.....	1,358,634.59
Office equipment.....	159,370.14

4,033,426.46

## DEFERRED ASSETS:

Agreements and mortgages.....	\$ 130,992.52
Rural district loans.....	59,717.65
Work in progress—deferred work orders.....	92,063.84

282,774.01

UNAMORTIZED DISCOUNT ON DEBENTURES..... 441,674.35

## RESERVE FUNDS:

Investments—Specific reserves.....	\$ 45,646,220.62
Employers' Liability Insurance Fund:	
Investments.....	\$1,046,379.46
Deposits with the Workmen's Compensation Board.....	30,602.93

1,076,982.39

Pension Fund, investments..... 7,078,439.63

53,801,642.64

## SINKING FUNDS:

Deposits in the hands of trustees—including temporary investments..... 682,068.14

\$366,137,712.92



## COMMISSION OF ONTARIO

WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

Eastern Ontario System

Thunder Bay System

## LIABILITIES AND RESERVES

## LONG TERM LIABILITIES:

Funded debt issued or assumed.....	\$104,200,283.75	
Less—Debentures issued to finance Northern Ontario Properties.....	26,760,000.00	
		\$ 77,440,283.75
Advances from the Province of Ontario....	\$137,067,190.39	
Less—Advances for Northern Ontario Properties.....	6,041,572.70	
		131,025,617.69
Purchase agreements, and mortgages.....		112,609.31
		<u>\$208,578,510.75</u>

## CURRENT LIABILITIES:

Bank advances—demand loan—secured.....	\$ 32,093.01	
Bank overdraft—secured.....	3,310,701.34	
Accounts and payrolls payable.....	2,304,153.18	
Power accounts—credit balances.....	49,076.18	
Hamilton Street Railway Company—Current account....	303,309.89	
Northern Ontario Properties—Current account.....	1,989,947.95	
Advances from the Province of Ontario for rural loans....	59,401.21	
Consumers' and contractors' deposits.....	1,033,623.36	
Debenture interest accrued.....	769,636.23	
Miscellaneous interest accrued.....	4,061.79	
Miscellaneous accruals.....	54,833.68	
Rural power districts grants—not allocated.....	32,334.75	
		9,943,172.57
RURAL POWER DISTRICTS—Rates suspense, net.....		1,602,526.88
UNAMORTIZED PREMIUM ON DEBENTURES.....		45,004.38

## RESERVES:

Renewals.....	\$ 49,721,799.26	
Contingencies and obsolescence.....	14,270,337.64	
Stabilization of rates.....	10,557,021.86	
Fire insurance.....	98,368.72	
Investment—subsidiary.....	166,038.59	
		\$ 74,813,566.07
Employers' liability insurance.....	1,138,127.01	
Pension fund.....	7,160,698.90	
Miscellaneous.....	430,720.36	
		<u>83,543,112.34</u>

## SINKING FUND RESERVE:

## Represented by:

Funded debt retired through sinking funds.....	\$ 23,997,209.46	
Provincial advances retired through sinking funds....	37,746,108.40	
Deposits in the hands of trustees—Contra.....	682,068.14	
		62,425,386.00
		<u>\$366,137,712.92</u>

## Auditors' Certificate

We have examined the Accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1941, and report that, in our opinion, the above Balance Sheet properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st October, 1941, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

dated at Toronto, Ontario,  
1st March, 1942.

OSCAR HUDSON AND CO.,

Chartered Accountants,

Auditors.

## THE HYDRO-ELECTRIC POWER

## Statement of Operations and Cost of Power for

System and property	Cost of power purchased	Operating maintenance and administrative expenses	Interest	Provision for renewals	Provision for contingencies and obsolescence
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:					
Municipalities.....	5,392,758.02	2,811,599.00	6,936,999.35	1,087,776.28	899,300.53
Rural power districts.....	333,703.41	264,336.02	533,893.24	102,514.64	65,154.56
Companies.....	2,037,869.99	1,199,140.69	2,098,748.19	312,785.58	4,333,020.48
Local distribution systems.....	16,361.09	42,968.78	35,351.67	9,441.62	5,638.55
Total.....	7,780,692.51	4,318,044.49	9,604,992.45	1,512,518.12	5,303,114.12
GEORGIAN BAY SYSTEM:					
Municipalities.....	65,324.74	313,632.52	314,275.43	91,182.97	73,154.40
Rural power districts.....	18,934.52	74,985.56	82,747.14	25,255.23	18,455.16
Companies.....	66,030.88	13,914.35	18,755.31	5,114.47	128,247.54
Local distribution systems.....	1,253.63	13,925.65	10,749.90	3,989.51	2,370.44
Total.....	151,543.77	416,458.08	426,527.78	125,542.18	222,227.54
EASTERN ONTARIO SYSTEM:					
Municipalities.....	812,226.70	543,050.05	607,187.27	159,485.07	170,194.24
Rural power districts.....	95,338.08	73,971.83	90,127.61	26,841.52	23,600.37
Companies.....	203,450.64	137,694.68	197,942.51	53,287.42	155,256.80
Local distribution systems.....	2,877.26	8,087.59	4,308.37	1,453.93	837.71
Total.....	1,113,892.68	762,804.15	899,565.76	241,067.94	349,889.12
THUNDER BAY SYSTEM:					
Municipalities.....		177,617.35	550,325.59	100,299.62	78,830.69
Rural power districts.....		2,230.55	7,010.39	1,441.32	952.24
Companies.....		75,209.32	246,928.90	42,098.88	46,578.78
Mining Area—Mines.....		54,317.74	141,644.21	15,359.96	92,315.62
Mining Area—Townsites.....		16,188.43	13,524.90	899.67	15,466.74
Total.....		325,563.39	959,433.99	160,099.45	234,144.07
COST OF DISTRIBUTION OF POWER WITHIN R.P.D.'s:					
Niagara system R.P.D.'s.....	* 1,511,636.36	812,894.86	530,712.66	230,573.90	.....
Georgian Bay sys. R.P.D.'s.....	* 270,217.74	157,154.77	116,434.44	51,526.36	.....
Eastern Ontario system R.P.D.'s.....	* 383,103.44	283,609.75	184,089.89	83,201.84	.....
Thunder Bay sys. R.P.D.'s.....	* 14,257.73	10,134.80	11,207.65	4,622.93	.....
Total.....	* 2,179,215.27	1,263,794.18	842,444.64	369,925.03	.....
RURAL LINES OPERATED BY MUNICIPALITIES:					
Niagara rural lines.....			845.80	401.17	200.59
Georgian Bay rural lines.....			48.22	18.44	9.22
Total.....			894.02	419.61	209.81
Total for all systems.....	11,225,344.23	7,086,664.29	12,733,858.64	2,409,572.33	6,109,584.66
R.P.D.'s eliminations.....	*(2,179,215.27)				
Net total for all systems.....	9,046,128.96	7,086,664.29	12,733,858.64	2,409,572.33	6,109,584.66
GRAND SUMMARY:					
Niagara system.....	7,780,692.51	5,130,939.35	10,136,550.91	1,743,493.19	5,303,314.71
Georgian Bay system.....	151,543.77	573,612.85	543,010.44	177,086.98	222,236.76
Eastern Ontario system.....	1,113,892.68	1,046,413.90	1,083,655.65	324,269.78	349,889.12
Thunder Bay system.....		335,698.19	970,641.64	164,722.38	234,144.07
Total.....	9,046,128.96	7,086,664.29	12,733,858.64	2,409,572.33	6,109,584.66

## COMMISSION OF ONTARIO

Each System for the Year ended October 31, 1941

Provision for stabiliza- tion of rates	Provision for sinking fund	Operating balance in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amounts remaining to be credited or charged to municipalities	
					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,728,253.00	1,601,204.86	(292,749.47)	20,165,141.57	20,480,731.25	376,770.84	61,181.16
106,994.20	123,164.05	(18,123.76)	*1,511,636.36	*1,511,636.36	.....	.....
.....	480,563.02	279,884.12	10,742,012.07	10,742,012.07	.....	.....
.....	8,155.30	30,989.11	148,906.12	148,906.12	.....	.....
1,835,247.20	2,213,087.23	.....	32,567,696.12	32,883,285.80	376,770.84	61,181.16
121,207.60	76,064.82	797.60	1,055,640.08	1,111,041.35	56,194.51	793.24
29,657.20	19,987.76	195.17	*270,217.74	*270,217.74	.....	.....
.....	4,530.37	(860.17)	235,732.75	235,732.75	.....	.....
.....	2,596.66	(132.60)	34,753.19	34,753.19	.....	.....
150,864.80	103,179.61	.....	1,596,343.76	1,651,745.03	56,194.51	793.24
384,394.00	146,498.54	5,591.57	2,828,627.44	2,905,155.84	106,285.03	29,756.63
50,786.40	21,698.86	738.77	*383,103.44	*383,103.44	.....	.....
.....	46,671.22	(12,026.97)	782,276.30	782,276.30	.....	.....
.....	1,037.27	5,696.63	24,298.76	24,298.76	.....	.....
435,180.40	215,905.89	.....	4,018,305.94	4,094,834.34	106,285.03	29,756.63
82,384.95	119,552.04	23,534.03	1,132,544.27	1,154,699.28	22,155.01	.....
856.20	1,522.45	244.58	*14,257.73	*14,257.73	.....	.....
.....	52,143.31	(23,778.61)	439,180.58	439,180.58	.....	.....
95,651.32	21,413.24	.....	420,702.09	420,702.09	.....	.....
1,161.50	1,254.22	.....	48,495.46	48,495.46	.....	.....
180,053.97	195,885.26	.....	2,055,180.13	2,077,335.14	22,155.01	.....
.....	122,430.29	.....	3,208,248.07	3,440,369.44	232,121.37	.....
.....	28,125.01	.....	623,458.32	582,558.42	.....	40,899.90
.....	44,320.90	.....	978,325.82	999,607.51	21,281.69	.....
.....	2,433.97	.....	42,657.08	43,668.89	1,011.81	.....
.....	197,310.17	.....	4,852,689.29	5,066,204.26	254,414.87	40,899.90
.....	361.05	.....	1,808.61	1,808.61	.....	.....
.....	16.60	.....	92.48	92.48	.....	.....
.....	377.65	.....	1,901.09	1,901.09	.....	.....
2,601,346.37	2,925,745.81	.....	45,092,116.33	45,775,305.66	.....	.....
.....	.....	.....	*(2,179,215.27)	*(2,179,215.27)	.....	.....
2,601,346.37	2,925,745.81	.....	42,912,901.06	43,596,090.39	815,820.26	132,630.93
1,835,247.20	2,335,878.57	.....	34,266,116.44	34,813,827.49	608,892.21	61,181.16
150,864.80	131,321.22	.....	1,949,676.82	1,964,178.19	56,194.51	41,693.14
435,180.40	260,226.79	.....	4,613,528.32	4,711,338.41	127,566.72	29,756.63
180,053.97	198,319.23	.....	2,083,579.48	2,106,746.30	23,166.82	.....
2,601,346.37	2,925,745.81	.....	42,912,901.06	43,596,090.39	815,820.26	132,630.93



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1941

## NIAGARA SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
Niagara river:					
Queenston-Chippawa .....	150,747.41	234,093.38	47,981,576.82	28,866,962.86	77,082,633.06
Ontario Power .....	465,197.14	9,456.96	7,281,151.42	14,449,328.41	21,739,936.79
Toronto Power .....	5,563.34	2,370.08	3,823,491.60	7,683,621.25	11,509,482.93
Ottawa river:					
Chats Falls .....	6,112.69	855.60	811,120.91	6,309,071.73	7,121,048.24
Welland canal:					
DeCew Falls .....	103,407.44	98,062.78	8,327,105.24	3,351,394.41	11,776,562.43
Hamilton steam plant .....	90.46		502,300.12		502,300.12
Long Lake diversion:					
Transferred from Northern Ontario Properties .....	867,974.33				
Expenses during the year .....	5,275.18		258,770.30	614,479.21	873,249.51
Ogoki diversion .....	1,323,145.85	1,323,145.85			1,323,145.85
Preliminary river surveys .....			819,836.09		819,836.09
	1,985,811.96	1,667,984.65	69,805,352.50	61,274,857.87	132,748,195.02
Transformer Stations:					
Southern Ontario .....	1,516,562.33	702,665.89	325,829.38	30,604,941.79	31,633,437.06
Eastern—Chats Falls .....	2,312,602.21	82,194.12		12,765,573.98	12,847,768.10
	3,829,164.54	784,860.01	325,829.38	43,370,515.77	44,481,205.16
Transmission Lines:					
Southern Ontario:					
Right-of-way .....	335,430.96		7,012,972.22		7,012,972.22
Lines .....	79,885.26	205,098.94	15,288.21	18,989,532.75	19,209,919.90
Eastern—Chats Falls:					
Right-of-way .....	757,377.17		2,398,840.22		2,398,840.22
Lines .....	2,538,147.27	1,072.66		11,743,083.35	11,744,156.01
	3,039,978.74	206,171.60	9,427,100.65	30,732,616.10	40,365,888.35
Local Systems:					
Niagara peninsula and Dundas area .....	1,557.22	46,766.44		265,315.82	312,082.26
Sub-total .....	8,856,512.46	2,705,782.70	79,558,282.53	135,643,305.56	217,907,370.79
Rural Power Districts:					
H.E.P.C. investment .....	585,629.60	18,611.78		11,870,569.72	11,889,181.50
Government grants .....	588,450.51	18,611.77		11,771,465.82	11,790,077.59
	1,174,080.11	37,223.55		23,642,035.54	23,679,259.09
Rural Lines:					
Welland and Milton .....				20,058.42	20,058.42
	10,030,592.57	2,743,006.25	79,558,282.53	159,305,399.52	241,606,688.30

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules .....	217,844,477.46	62,893.33	217,907,370.79
Rural Operating schedules .....	11,952,074.83	62,893.33	11,889,181.50
Rural Lines schedules .....	20,058.42		20,058.42

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO  
Fixed Assets—October 31, 1941  
GEORGIAN BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
Muskoka river (below lake):					
Bala No. 1 and No. 2.....	1,714.01		70,468.43	43,866.73	114,335.16
Ragged Rapids.....	25,447.11		70,817.12	1,251,140.75	1,321,957.87
Big Eddy.....	980,802.53		47,662.45	1,046,494.67	1,094,157.12
Lands and water rights: (Ragged Rapids, Big Eddy plants, Sandy Grey and Go Home sites).....			47,824.81		47,824.81
Severn river:					
Wasdells.....			15,302.32	133,251.09	148,553.41
Big Chute.....	104.46	11.67	122,540.48	563,214.33	685,766.48
Preliminary surveys.....			4,107.56		4,107.56
Beaver river:					
Eugenia.....	2,217.17	78.34	148,980.43	1,139,200.82	1,288,259.59
Saugeen river:					
Hanover.....			10,000.00		10,000.00
Walkerton.....	439.14	439.14	100,372.31	113,447.97	214,259.42
Southampton.....			132,488.58		132,488.58
Muskoka river (above lake):					
South Falls.....	3,374.91		17,934.95	438,587.48	456,522.43
Trethewey Falls.....			51,549.45	306,071.43	357,620.88
Hanna Chute.....			34,756.73	208,106.65	242,863.38
Hollow Lake dam.....	52.53		16,622.32	29,540.16	46,162.48
Preliminary surveys.....			14,912.93		14,912.93
Sauble river:					
Lands and rights.....	103.30	637.67	4,200.00		4,837.67
Gull river:					
Lands and rights.....			5,859.20		5,859.20
	1,006,392.80	1,166.82	916,400.07	5,272,922.08	6,190,488.97
Transformer Stations.....	130,010.81	38,854.77		1,896,420.40	1,935,275.17
Transmission Lines.....	95,445.56	86,426.74		2,780,046.37	2,866,473.11
Local Systems.....	6,413.68	65.96		105,193.13	105,259.09
Sub-total.....	1,238,262.85	126,514.29	916,400.07	10,054,581.98	11,097,496.34
Rural Power Districts:					
H.E.P.C. investment.....	180,528.05			2,740,124.70	2,740,124.70
Government grants.....	175,298.15			2,572,679.06	2,572,679.06
	355,826.20			5,312,803.76	5,312,803.76
Rural Lines:					
Brechin.....				922.02	922.02
	1,594,089.05	126,514.29	916,400.07	15,368,307.76	16,411,222.12

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	11,077,962.19	19,534.15	11,097,496.34
Rural Operating schedules.....	2,759,658.85	19,534.15	2,740,124.70
Rural Lines schedules.....	922.02		922.02

**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**Fixed Assets—October 31, 1941**  
**EASTERN ONTARIO SYSTEM**

Property	Net capital expenditures in the year		Fixed Assets			
			Under construction	In service		Total
				Non-depreciable	Depreciable	
	\$	c.	\$	c.	\$	c.
Power Plants:						
Fenelon river:						
Fenelon Falls .....	6,507.31			60,000.00	92,316.22	152,316.22
Otonabee river:						
Auburn .....	574.59			31,400.00	291,469.51	322,869.51
Douro .....					68,478.30	68,478.30
Lakefield .....	267.45			19,620.05	218,561.05	238,181.10
Young's Point .....	250.00			2,480.81	7,813.69	10,294.50
Trent river:						
Heely Falls .....	1,809.94	1,878.57			1,190,287.49	1,192,166.06
Seymour .....	5,883.64				298,870.82	298,870.82
Ranney Falls .....	22,102.49	22,164.46			1,344,580.87	1,366,745.33
Ranney Falls No. 3 .....				18,596.20	54,489.18	73,085.38
Crow river .....				1,000.00		1,000.00
Hagues Reach .....					574,302.26	574,302.26
Meyersburg .....	3.78				838,662.05	838,662.05
Sills Island .....	13,158.83	17,531.38		38,679.36	238,039.03	294,249.77
Frankford .....					252,774.82	252,774.82
Sidney .....	472.76				252,551.86	252,551.86
Deer river:						
Cordova power site .....	2,224.69					
Gull river:						
Norland and Elliot Chute site .....	17,577.60					
Mississippi river:						
High Falls .....	5,480.10	5,480.10		13,113.84	686,697.40	705,291.34
Carleton Place .....	30.00			9,929.06	47,817.10	57,746.16
Galetta .....				20,000.00	128,118.21	148,118.21
Ragged Chutes, Playfair and Appleton sites .....	52,845.88					
Rosebank and Blakeney sites .....	23,321.18					
Pakenham .....	999.81					
Surveys .....	10,594.39					
Madawaska river:						
Barrett Chute .....	1,956,258.91	1,992,651.43				1,992,651.43
Calabogie .....	55.00			80,825.74	677,482.95	758,308.69
Bark Lake dam .....	371,808.16	388,088.88		555.00		388,643.88
Kamaniskeg Lake dam .....					1,795.46	1,795.46
Undeveloped sites .....				650,000.00		650,000.00
Preliminary river surveys .....				132,224.23		132,224.23
Miscellaneous .....	7,110.17	13.00			43,285.43	43,298.43
Intangible .....				2,217,761.29		2,217,761.29
	2,257,009.50	2,427,807.82		3,296,185.58	7,308,393.70	13,032,387.10
Transformer Stations .....	558,362.19	7,398.20		76,076.68	4,217,551.60	4,301,026.48
Transmission Lines .....	83,710.14	36,150.37		416,281.15	5,694,461.61	6,146,893.13
Local Systems .....	3,480.44			703.00	31,031.64	31,734.64
Sub-total .....	2,902,562.27	2,471,356.39		3,789,246.41	17,251,438.55	23,512,041.35
Rural Power Districts:						
H.E.P.C. investment .....	217,200.83				4,297,040.95	4,297,040.95
Government grants .....	214,657.81				4,243,480.55	4,243,480.55
	431,858.64				8,540,521.50	8,540,521.50
	3,334,420.91	2,471,356.39		3,789,246.41	25,791,960.05	32,052,562.85

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$	\$	\$
	c.	c.	c.
Cost of Power schedules .....	23,473,641.24	38,400.11	23,512,041.35
Rural Operating schedules .....	4,335,441.06	38,400.11	4,297,040.95



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1941

## THUNDER BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Power Plants:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipigon river:					
Cameron Falls.....	925.47	794.38	857,418.84	9,059,834.86	9,918,048.08
Alexander.....	5,727.00	3,506.48	76,898.44	5,266,156.40	5,346,561.32
Virgin Falls dam.....			55,450.41	426,736.74	482,187.15
Preliminary surveys.....			30,242.35		30,242.35
	4,801.53	4,300.86	1,020,010.04	14,752,728.00	15,777,038.90
Transformer Stations.....	20,952.48	656.48	358,591.88	910,797.24	1,270,045.60
Transmission Lines.....	927.93	1,795.49	962,353.59	1,720,393.68	2,684,542.76
Local Systems.....	6,431.31	49.52	85,447.10		85,496.62
Sub-Total.....	21,654.33	6,802.35	2,426,402.61	17,383,918.92	19,817,123.88
Rural Power Districts:					
H-E.P.C. investment.....	19,085.44			243,183.01	243,183.01
Government grants.....	19,085.43			243,183.00	243,183.00
	38,170.87			486,366.01	486,366.01
	59,825.20	6,802.35	2,426,402.61	17,870,284.93	20,303,489.89

	Cost statements	Fixed assets as above
	\$ c.	\$ c.
Cost of Power schedules.....	19,817,123.88	19,817,123.88
Rural Operating schedules.....	243,183.01	243,183.01

## ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Administrative Building:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Toronto:					
University avenue.....	299,110.47	96.35	224,485.48	2,554,839.02	2,779,420.85
Elm and Centre streets.....				160,821.95	160,821.95
	299,110.47	96.35	224,485.48	2,715,660.97	2,940,242.80
Service Buildings and Equipment:					
Toronto:					
Strachan avenue.....	5,673.86			541,410.04	541,410.04
1379 Bloor street west.....	50.00			76,154.04	76,154.04
Cobourg.....	175.00			22,245.08	22,245.08
Hamilton.....			750,000.00		750,000.00
	5,448.86		750,000.00	639,809.16	1,389,809.16
	293,661.61	96.35	974,485.48	3,355,470.13	4,330,051.96

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## Fixed Assets—October 31, 1941

## SUMMARY

System or property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	10,030,592.57	2,743,006.25	79,558,282.53	159,305,399.52	241,606,688.30
Georgian Bay system.....	1,594,089.05	126,514.29	916,400.07	15,368,307.76	16,411,222.12
Eastern Ontario system.....	3,334,420.91	2,471,356.39	3,789,246.41	25,791,960.05	32,052,562.85
Thunder Bay system.....	59,825.20	6,802.35	2,426,402.61	17,870,284.93	20,303,489.89
Service and administrative buildings and equipment.....	293,661.61	96.35	974,485.48	3,355,470.13	4,330,051.96
	15,312,589.34	5,347,775.63	87,664,817.10	221,691,422.39	314,704,015.12
Less: Grants in aid of construction: Province of Ontario for rural power districts.....	997,491.90	18,611.77	.....	18,830,808.43	18,849,420.20
	14,315,097.44	5,329,163.86	87,664,817.10	202,860,613.96	295,854,594.92

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO  
CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1941

Statement showing the Total Capital Expenditures to October 31, 1941, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction, and the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1941

System	Total capital expenditure	In course of construction	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system . . . . .	23,679,259.09	37,223.55	23,642,035.54	11,790,077.59
Georgian Bay system . . . . .	5,312,803.76		5,312,803.76	2,572,679.06
Eastern Ontario system . . . . .	8,540,521.50		8,540,521.50	4,243,480.55
Thunder Bay system . . . . .	486,366.01		486,366.01	243,183.00
Sub-total . . . . .	38,018,950.36	37,223.55	37,981,726.81	18,849,420.20
Northern Ontario Properties . . . . .	793,642.40	339.09	793,303.31	388,353.15
Totals . . . . .	38,812,592.76	37,562.64	38,775,030.12	19,237,773.35

\*Grants not made by Province in respect of a summer resort, street lighting systems in 81 districts, service buildings in 5 districts, amounts paid for business already established (hereinafter called Intangible Assets) in 11 rural distribution systems purchased from private companies and transformer station in 1 district.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1941 on account of authorized grants to rural power districts—amount to . . . . . \$19,270,108.10  
The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1941, amount in the aggregate to . . . . . 19,237,773.35  
A balance of . . . . . \$32,334.75  
Which balance represents:  
Grant funds in the hands of the Commission at October 31, 1941, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts . . . . . \$32,334.75



## THE HYDRO-ELECTRIC POWER

## Power Accounts Receivable

System or property	Wholesale power consumers			
	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1941		Net total for wholesale consumers
		Charge	Credit	
NIAGARA SYSTEM:	\$ c.	\$ c.	\$ c.	\$ c.
Municipalities . . . . .	2,170,641.28	62,367.16	376,770.84	1,856,237.60
Companies . . . . .	1,130,066.82	.....	.....	1,130,066.82
Local and rural . . . . .	.....	.....	.....	.....
	3,300,708.10	62,367.16	376,770.84	2,986,304.42
GEORGIAN BAY SYSTEM:				
Municipalities . . . . .	137,992.51	2,106.19	56,031.69	84,067.01
Companies . . . . .	19,193.32	.....	.....	19,193.32
Local and rural . . . . .	.....	.....	.....	.....
	157,185.83	2,106.19	56,031.69	103,260.33
EASTERN ONTARIO SYSTEM:				
Municipalities . . . . .	384,533.77	29,756.63	106,285.03	308,005.37
Companies . . . . .	83,787.97	.....	.....	83,787.97
Local and rural . . . . .	.....	.....	.....	.....
	468,321.74	29,756.63	106,285.03	391,793.34
THUNDER BAY SYSTEM:				
Municipalities . . . . .	130,896.03	.....	22,155.01	108,741.02
Companies . . . . .	160,833.98	.....	.....	160,833.98
Local and rural . . . . .	.....	.....	.....	.....
	291,730.01	.....	22,155.01	269,575.00
Grand totals . . . . .	4,217,945.68	94,229.98	561,242.57	3,750,933.09

COMMISSION OF ONTARIO

—October 31, 1941

Retail power consumers— local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,856,237.60	1,893,780.34	37,542.74	1,186.00
.....	1,130,066.82	1,130,066.82	.....	.....
698,839.51	698,839.51	698,839.51	.....	11,352.15
698,839.51	3,685,143.93	3,722,686.67	37,542.74	12,538.15
.....	84,067.01	92,592.09	8,525.08	1,475.77
.....	19,193.32	19,193.32	.....	.....
179,921.20	179,921.20	179,921.20	.....	7,374.74
179,921.20	283,181.53	291,706.61	8,525.08	8,850.51
.....	308,005.37	310,843.92	2,838.55	366.65
.....	83,787.97	83,787.97	.....	104.53
255,799.04	255,799.04	255,799.04	.....	11,433.85
255,799.04	647,592.38	650,430.93	2,838.55	11,905.03
.....	108,741.02	108,910.83	169.81	.....
.....	160,833.98	160,833.98	.....	82,040.25
13,586.12	13,586.12	13,586.12	.....	1,530.72
13,586.12	283,161.12	283,330.93	169.81	83,570.97
1,148,145.87	4,899,078.96	4,948,155.14	49,076.18	116,864.66

## THE HYDRO-ELECTRIC POWER

## Funded Debt Issued or

Description	Application of proceeds	Date of issue
6% H-E.P.C. debentures.....	Toronto & York Radial Railway	Dec. 1, 1920
6% " " .....	Toronto Power Company.....	Dec. 1, 1920
6% " " .....	T. & Y. R. R. equipment	Dec. 1, 1920
2½% " " .....	Refunding Province of Ont. advances, etc.	Mar. 1, 1936
6% " " .....	Refunding Ontario Power Company	June 24, 1921
2½% " serial debentures.....	Refunding H-E.P.C. 1941 debentures and financing plant extensions.....	Feb. 15, 1941
3½% " debentures.....	Refunding D.P. & T. and E. D. Companies	Jan. 1, 1935
5% Ontario Power Company bonds..	Ontario Power Company	Feb. 1, 1903
2½% H-E.P.C. debentures.....	Refunding Province of Ont. advances, etc.	June 15, 1935
5% Ontario Transmission Co. bonds.	Ontario Transmission Company	May 1, 1905
3% H-E.P.C. debentures.....	Financing Plant Extensions	Aug. 1, 1938
3¼% " " .....	Refunding Toronto Power Company	Feb. 1, 1938
4% " " .....	Ontario Power Company	Aug. 1, 1917
4% " " .....	Essex system	June 1, 1918
4% " " .....	Thorold system	Dec. 1, 1918
4¾% " " .....	Dominion Power & Transmission Company	Jan. 1, 1930
Municipal debentures assumed....	.....	.....
Funded debt as shown on the Balance Sheet of The Hydro- Electric Power Commission of Ontario.....	.....	.....
NORTHERN ONTARIO PROPERTIES:		
2½% H-E.P.C. debentures.....	Abitibi and St. Joseph districts	Mar. 1, 1936
2½% " serial debentures.....	Refunding H-E.P.C. 1941 debentures	Feb. 15, 1941
2½% " debentures.....	Refunding Ontario Power Service Corp'n and financing plant extensions	April 1, 1937
3½% " " .....		April 1, 1937
3% " " .....		Aug. 1, 1938
Funded debt relating to all prop- erties vested in, or operated by, the Commission.....	.....	.....



COMMISSION OF ONTARIO

Assumed—October 31, 1941

Date of maturity	Matured and/or paid during year	Principal outstanding October 31, 1941	Interest for the year 1940-1941	Interest accrued October 31, 1941
	\$ c.	\$ c.	\$ c.	\$ c.
Dec. 1, 1940	2,076,000.00	.....	10,380.00	.....
Dec. 1, 1940	413,200.00	.....	2,066.00	.....
Dec. 1, 1940	204,800.00	.....	1,024.00	.....
Mar. 1, 1941	10,000,000.00	.....	83,333.33	.....
June 24, 1941	3,200,000.00	.....	124,142.47	.....
Feb. 15, 1942- 1949	.....	12,000,000.00	210,856.00	62,500.00
Jan. 1, 1943	.....	10,000,000.00	350,000.00	116,666.66
Feb. 1, 1943	50,000.00	7,404,000.00	369,575.00	92,550.00
June 15, 1944	.....	10,000,000.00	250,000.00	93,750.00
May 1, 1945	14,000.00	1,131,000.00	56,725.00	.....
Aug. 1, 1948	.....	7,740,000.00	232,200.00	58,050.00
Feb. 1, 1953	.....	9,000,000.00	292,500.00	73,125.00
Aug. 1, 1957	.....	8,000,000.00	320,000.00	80,000.00
June 1, 1958	.....	200,000.00	8,000.00	3,333.34
Dec. 1, 1958	.....	100,000.00	4,000.00	1,666.67
Jan. 1, 1970	.....	11,864,000.00	563,541.23	187,847.89
.....	15,958,000.00 383.67	77,439,000.00 1,283.75	2,878,343.03 440.00	769,489.56 146.67
.....	15,958,383.67	77,440,283.75	2,878,783.03	769,636.23
Mar. 1, 1941	5,000,000.00	.....	41,666.67	.....
Feb. 15, 1942- 1949	.....	3,000,000.00	52,714.00	15,625.00
April 1, 1942	.....	11,000,000.00	275,000.00	22,916.66
April 1, 1947	.....	8,000,000.00	280,000.00	23,333.33
Aug. 1, 1948	.....	4,760,000.00	142,800.00	35,700.00
.....	5,000,000.00	26,760,000.00	792,180.67	97,574.99
.....	20,958,383.67	104,200,283.75	3,670,963.70	867,211.22

	Niagara system	Georgian Bay system
Balances at November 1, 1940.....	\$ c. 4,719,460.53	\$ c. 546,719.55
Add:		
War loads net revenues for fiscal year 1940, transferred from Stabilization of Rates reserve.....	1,432,168.38	29,106.42
Transferred during the year.....	6,151,628.91	575,825.97
Provision in the year as per cost statement.....	147,633.28	11,947.39
Interest at 4% on reserves' balances.....	5,303,314.71	222,236.76
	246,065.16	23,033.04
Sub-total.....	11,848,642.06	833,043.16
Contingencies met with during the year.....	2,286,018.59	59,616.20
Terminal building, Hamilton.....	27,276.90	.....
Balances at October 31, 1941.....	9,535,346.57	773,426.96
Account balances:		
Power plants, transmission lines, transformer stations and rural power districts.....	9,530,996.25	773,255.43
Rural lines.....	4,350.32	171.53
	9,535,346.57	773,426.96

COMMISSION OF ONTARIO  
—October 31, 1941

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 5,669,885.10	\$ c. 3,005,510.50	\$ c. 605,528.81	\$ c. 46,699,671.53
..... 324,269.78	..... 164,722.38	..... 32,726.44	..... 32,726.44
..... 226,795.41	..... 120,220.42	..... 16,465.75	..... 2,409,572.33
(6,174.79)	.....	..... 21,034.57	..... 16,465.75
		.....	..... 1,864,800.28
			(116,946.96)
6,214,775.50	3,290,453.30	675,755.57	50,906,289.37
96,140.77	993.99	12,906.38	1,184,490.11
6,118,634.73	3,289,459.31	662,849.19	49,721,799.26
5,124,006.75	3,261,206.90	.....	43,304,365.20
994,627.98	28,252.41	.....	5,745,172.79
.....	.....	.....	9,412.08
.....	.....	..... 223,072.36	..... 223,072.36
.....	.....	..... 439,776.83	..... 439,776.83
6,118,634.73	3,289,459.31	662,849.19	49,721,799.26

COMMISSION OF ONTARIO  
Reserves—October 31, 1941

Eastern Ontario system	Thunder Bay system	Totals for power undertakings operated on a "cost basis"
\$ c. 1,761,539.85	\$ c. 1,770,257.60	\$ c. 8,797,977.53
4,907.77	.....	1,466,182.57
1,766,447.62	1,770,257.60	10,264,160.10
5,771.39	.....	165,352.06
349,889.12	234,144.07	6,109,584.66
70,657.90	72,324.51	412,080.61
2,192,766.03	2,076,726.18	16,951,177.43
295,881.54	12,046.56	2,653,562.89
.....	.....	27,276.90
1,896,884.49	2,064,679.62	14,270,337.64
1,896,884.49	2,064,679.62	14,265,815.79
.....	.....	4,521.85
1,896,884.49	2,064,679.62	14,270,337.64



## THE HYDRO-ELECTRIC POWER

## Stabilization of Rates Reserves

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1940.....	7,414,112.41	448,878.04
Deduct:—		
War loads net revenues for fiscal year 1940, transferred to Contingency reserve.....	1,432,168.38	29,106.42
	5,981,944.03	419,771.62
Appropriations in the year as per cost statement.....	1,835,247.20	150,864.80
Interest at 4% on reserves balances.....	239,277.76	16,790.86
	8,056,468.99	587,427.28
Account balances:		
Systems.....	8,056,468.99	587,427.28

## THE HYDRO-ELECTRIC POWER

## Sinking Fund Reserves

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1940.....	48,924,539.12	2,010,160.69
Transferred during the year.....	141.41	.....
Provision in the year—direct.....	2,335,878.57	131,321.22
indirect.....	.....	.....
Interest at 4% on reserves' balances.....	1,956,981.56	80,406.43
Balances at October 31, 1941.....	53,217,540.66	2,221,888.34
Account balances:		
Systems.....	51,794,725.17	2,029,824.15
Rural power districts.....	1,404,663.05	191,495.47
Rural lines.....	18,152.44	568.72
Administrative office buildings.....	.....	.....
Service buildings and equipment.....	.....	.....
	53,217,540.66	2,221,888.34

COMMISSION OF ONTARIO

—October 31, 1941

Eastern Ontario system	Thunder Bay		Total for power undertakings operated on a "cost basis"
	system	Mining area	
\$ c. 940,818.43	\$ c. 203,563.18	\$ c. 108,498.48	\$ c. 9,115,870.54
4,907.77	.....	.....	1,466,182.57
935,910.66	203,563.18	108,498.48	7,649,687.97
435,180.40	83,241.15	96,812.82	2,601,346.37
37,436.43	8,142.53	4,339.94	305,987.52
1,408,527.49	294,946.86	209,651.24	10,557,021.86
1,408,527.49	294,946.86	209,651.24	10,557,021.86

COMMISSION OF ONTARIO

—October 31, 1941

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 2,978,972.70	\$ c. 2,726,350.68	\$ c. 538,181.68	\$ c. 57,178,204.87
.....	.....	.....	141.41
260,226.79	198,319.23	.....	2,925,745.81
.....	.....	34,165.72	34,165.72
119,158.90	109,054.03	21,527.27	2,287,128.19
3,358,358.39	3,033,723.94	593,874.67	62,425,386.00
3,013,443.09	3,023,079.14	.....	59,861,071.55
344,915.30	10,644.80	.....	1,951,718.62
.....	.....	.....	18,721.16
.....	.....	373,666.81	373,666.81
.....	.....	220,207.86	220,207.86
3,358,358.39	3,033,723.94	593,874.67	62,425,386.00

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## Account with

## The Provincial Treasurer of the Province of Ontario

As at October 31, 1941

## ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive.....	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year.....	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures.....	207,002,750.36	8,257,111.47	198,745,638.89
REPAYMENTS OF ADVANCES—1926 to 1933:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations.....	17,008,616.73	3,061.39	17,005,555.34
Commission's share in Provincial Bonds at October 31, 1934.....	189,994,133.63	8,254,050.08	181,740,083.55
REPAYMENTS OF ADVANCES:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1941:			
In year ended Oct. 31, 1935... \$ 3,946,628.69			
" " " " 1936... 21,998,092.45			
" " " " 1937... 13,557,615.63			
" " " " 1938... 1,777,019.93			
" " " " 1939... 2,151,516.02			
" " " " 1940... 1,756,175.77			
" " " " 1941... 7,739,894.75			
	52,926,943.24	2,212,477.38	50,714,465.86
Commission's share in Provincial bonds at October 31, 1941.....	137,067,190.39	6,041,572.70	131,025,617.69



**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**

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**STATEMENTS FOR MUNICIPALITIES  
RECEIVING POWER UNDER COST CONTRACTS****For the Year ended October 31, 1941**

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**STATEMENTS FOR EACH SYSTEM****Cost of Power****Credit or Charge****Sinking Fund****Rural Operating**

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Acton.....	28.50	28.50	289,643.38	1,393.2	8,690.48	5,703.47	13,251.57
Agincourt.....	35.50	35.50	43,459.46	207.7	1,295.59	1,055.89	1,955.99
Ailsa Craig.....	44.00	44.00	35,082.16	126.6	789.70	1,166.55	1,596.65
Alvinston.....	63.00	63.00	36,516.65	105.9	660.58	1,885.76	1,638.42
Amherstburg.....	33.50	33.50	213,870.43	859.9	5,363.87	4,204.12	9,756.95
Ancaster township.	27.50	27.50	68,561.85	358.1	2,233.75	1,504.52	3,128.91
Arkona.....	65.00	65.00	24,442.87	62.6	390.49	1,006.69	1,103.46
Aylmer.....	30.50	30.50	156,284.17	731.0	4,559.82	3,541.35	7,288.10
Ayr.....	29.50	29.50	58,583.44	230.2	1,435.94	1,426.48	2,679.08
Baden.....	28.50	28.50	72,540.09	346.4	2,160.77	1,638.62	3,215.81
Beachville.....	28.50	28.50	124,967.73	595.3	3,713.35	2,775.43	5,687.11
Beamsville.....	26.00	26.00	85,942.98	390.5	2,435.85	1,705.35	3,586.61
Belle River.....	34.50	34.50	43,399.11	178.2	1,111.57	1,042.90	1,973.15
Blenheim.....	34.50	34.50	122,642.85	542.7	3,385.24	3,614.68	5,512.67
Blyth.....	47.00	44.00	40,553.27	136.7	852.70	1,491.33	1,832.23
Bolton.....	38.50	38.50	50,517.69	188.8	1,177.69	1,313.94	2,238.16
Bothwell.....	42.50	42.50	35,710.71	141.9	885.14	1,284.41	1,598.14
Brampton.....	27.00	27.00	530,241.97	2,935.6	18,311.64	11,069.53	24,167.50
Brantford.....	23.50	23.50	3,153,610.45	17,679.1	110,278.39	58,870.77	146,653.16
Brantford twp....	27.50	27.50	172,922.81	957.1	5,970.18	6,704.35	7,927.07
Bridgeport.....	31.50	31.50	26,867.87	117.9	735.43	618.88	1,225.89
Brigden.....	55.00	55.00	28,167.59	85.5	533.33	1,033.58	1,269.13
Brussels.....	44.00	44.00	42,352.71	148.0	923.19	1,599.08	1,915.77
Burford.....	30.50	30.50	42,584.02	200.3	1,249.43	1,073.79	1,941.26
Burgessville.....	50.50	48.00	14,384.70	46.8	291.93	819.25	642.19
Caledonia.....	27.50	27.50	77,051.48	378.9	2,363.50	1,716.93	3,530.71
Campbellville.....	50.00	50.00	12,533.81	35.6	222.07	504.78	570.26
Cayuga.....	42.00	42.00	41,705.50	140.3	875.16	1,052.39	1,894.23
Chatham.....	26.50	26.50	1,289,845.49	6,607.9	41,218.65	27,187.47	58,557.19
Chippawa.....	21.50	21.50	44,862.57	327.3	2,041.63	1,026.99	2,039.39
Clifford.....	50.00	50.00	33,319.79	103.0	642.49	1,338.76	1,507.64
Clinton.....	33.50	33.50	138,745.59	607.4	3,788.83	4,013.75	6,306.22
Comber.....	41.50	41.50	37,270.46	129.2	805.92	1,154.32	1,687.05
Cottam.....	40.50	40.50	22,390.05	80.7	503.39	603.59	1,016.76
Courtright.....	60.00	60.00	21,859.02	46.0	286.94	620.74	877.49
Dashwood.....	42.00	42.00	25,029.92	91.0	567.64	633.54	1,135.70
Delaware.....	34.00	34.00	15,558.08	75.0	467.83	456.82	707.18
Delhi.....	36.00	33.00	123,577.50	532.0	3,318.50	2,785.82	5,608.48
Dorchester.....	36.00	36.00	25,987.36	108.1	674.30	657.04	1,183.99
Drayton.....	50.00	50.00	43,866.21	117.5	732.94	1,412.02	1,885.72

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,483.20	1,641.50	2,786.40	3,060.91	471.99	37,145.54	39,706.92	2,561.38
354.95	237.17	415.40	456.42	70.36	5,701.05	7,371.86	1,670.81
356.30	176.84	253.20	370.65	42.89	4,667.00	5,570.40	903.40
401.99	169.63	211.80	385.72	35.88	5,318.02	6,671.72	1,353.70
1,979.04	1,161.72	1,719.80	2,254.34	291.32	26,148.52	28,808.05	2,659.53
553.70	396.65	716.20	724.59	121.32	9,137.00	9,847.53	710.53
279.93	107.40	125.20	257.72	21.21	3,249.68	4,067.93	818.25
1,413.75	892.06	1,462.00	1,688.32	247.65	20,597.75	22,293.99	1,696.24
569.48	319.94	460.40	617.88	77.99	7,431.21	6,790.16	(641.05)
590.66	403.95	692.80	743.62	117.35	9,328.88	9,873.21	544.33
1,064.42	721.03	1,190.60	1,312.59	201.68	16,262.85	16,966.52	703.67
681.40	445.00	781.00	829.43	132.29	10,332.35	10,153.01	(179.34)
396.30	235.36	356.40	457.47	60.37	5,512.78	6,147.35	634.57
1,070.41	673.85	1,085.40	1,282.86	183.86	16,441.25	18,721.71	2,280.46
421.97	196.29	273.40	427.53	46.31	5,449.14	6,087.01	637.87
470.88	245.75	377.60	519.60	63.96	6,279.66	7,270.42	990.76
334.40	189.80	283.80	373.70	48.07	4,901.32	6,031.12	1,129.80
4,063.78	3,096.33	5,871.20	5,602.43	994.52	71,187.89	79,262.12	8,074.23
24,575.36	19,012.95	34,548.80	33,802.73	5,852.24	421,889.92	415,919.27	(5,970.65)
1,312.79	1,030.32	1,914.20	1,828.39	324.25	26,363.05	26,319.34	(43.71)
244.63	145.12	235.80	283.70	39.94	3,449.51	3,714.13	264.62
303.93	135.66	171.00	296.96	28.97	3,714.62	4,702.04	987.42
433.55	208.64	296.00	446.52	50.14	5,772.61	6,510.17	737.56
370.80	242.77	400.60	450.08	67.86	5,660.87	6,108.90	448.03
151.24	67.81	93.60	150.62	15.85	2,200.79	2,266.31	65.52
653.45	446.05	757.80	814.13	128.36	10,154.21	10,418.37	264.16
140.43	57.51	71.20	131.93	12.06	1,686.12	1,781.24	95.12
439.59	199.50	280.60	440.19	47.53	5,134.13	5,890.50	756.37
10,055.73	7,465.71	13,215.80	13,529.84	2,238.63	168,991.76	175,109.10	6,117.34
263.83	289.30	654.60	472.99	110.88	6,677.85	7,036.05	358.20
359.30	155.06	206.00	351.17	34.89	4,525.53	5,150.41	624.88
1,253.25	738.25	1,214.80	1,463.23	205.78	18,572.55	20,349.33	1,776.78
376.43	181.46	258.40	390.77	43.77	4,810.58	5,362.52	551.94
220.35	112.69	161.40	235.87	27.34	2,826.71	3,269.03	442.32
225.22	82.31	92.00	203.07	15.58	2,372.19	2,757.50	385.31
253.29	125.30	182.00	264.43	30.83	3,131.07	3,823.75	692.68
132.75	89.07	150.00	164.59	25.41	2,142.83	2,549.44	406.61
1,140.31	669.33	1,064.00	1,308.11	180.23	15,714.32	17,870.59	2,156.27
244.76	138.18	216.20	274.73	36.62	3,352.58	3,890.40	537.82
463.42	186.22	235.00	438.19	39.81	5,313.70	5,877.09	563.39



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Dresden.....	38.00	38.00	99,887.86	405.1	2,526.93	2,904.83	4,506.91
Drumbo.....	35.00	35.00	22,465.21	96.0	598.83	850.16	1,021.65
Dublin.....	50.00	50.00	13,655.02	42.7	266.35	460.32	618.21
Dundas.....	22.50	22.50	396,787.49	2,355.3	14,691.85	6,772.97	18,196.06
Dunnville.....	27.50	27.50	206,756.71	1,215.5	7,582.03	3,296.93	8,975.53
Dutton.....	33.50	33.50	58,663.09	257.7	1,607.48	1,789.49	2,685.39
East York Twp..	27.50	27.50	1,315,263.15	7,161.8	44,673.75	38,831.40	58,574.27
Elmira.....	30.00	30.00	175,926.28	810.7	5,056.97	3,335.85	8,025.50
Elora.....	31.50	31.50	93,910.50	421.2	2,627.35	2,413.84	4,287.16
Embro.....	40.00	40.00	29,024.50	111.8	697.38	813.06	1,312.55
Erieau.....	48.00	48.00	37,824.39	105.2	656.21	1,261.72	1,699.60
Erie Beach.....	55.00	55.00	7,385.03	19.9	124.13	377.87	330.05
Essex.....	31.50	31.50	135,875.07	578.7	3,609.80	2,665.67	6,187.87
Etobicoke twp..	23.50	23.50	1,255,274.16	6,810.6	42,483.05	25,029.89	57,444.29
Exeter.....	34.50	34.50	141,069.67	594.1	3,705.87	3,189.02	6,254.89
Fergus.....	31.50	31.50	275,812.41	1,260.1	7,860.23	6,523.83	12,568.80
Fonthill.....	29.50	29.50	33,935.04	166.0	1,035.47	807.60	1,544.58
Forest.....	40.00	40.00	141,117.34	522.5	3,259.24	4,437.20	6,415.13
Forest Hill Village.	25.50	25.50	1,137,707.78	6,520.1	40,670.97	20,675.20	52,413.58
Calt.....	24.00	24.00	1,741,965.88	9,758.1	60,868.91	34,849.03	79,765.53
Georgetown.....	31.50	31.50	379,341.89	1,682.7	10,496.32	7,926.65	17,271.77
Glencoe.....	50.00	50.00	68,772.42	210.6	1,313.68	2,347.56	3,085.74
Goderich.....	37.50	37.50	375,816.18	1,470.8	9,174.54	10,478.81	17,040.81
Granton.....	45.00	45.00	19,869.40	70.9	442.26	625.27	869.58
Guelph.....	23.50	23.50	1,901,573.92	10,775.2	67,213.36	38,249.04	87,328.85
Hagersville.....	28.50	28.50	191,487.12	851.6	5,312.10	3,427.12	8,781.84
Hamilton.....	22.00	22.00	22,027,995.05	135,796.5	847,069.09	360,446.65	1,010,719.74
Harriston.....	37.50	37.50	99,649.50	397.3	2,478.27	4,054.43	4,523.09
Harrow.....	34.50	34.50	126,615.90	496.3	3,095.81	2,705.60	5,773.48
Hensall.....	45.50	45.50	61,608.31	201.8	1,258.78	1,631.48	2,734.53
Hespeler.....	24.50	24.50	476,262.78	2,682.7	16,734.10	9,683.82	21,782.60
Highgate.....	42.50	42.50	21,836.10	80.9	504.64	697.10	982.01
Humberstone.....	24.50	24.50	84,436.11	464.9	2,899.95	1,608.12	3,853.92
Ingersoll.....	25.50	25.50	548,729.52	2,846.0	17,752.74	10,724.67	25,026.13
Jarvis.....	35.50	35.50	53,124.39	189.2	1,180.19	1,027.52	2,430.25

## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
929.24	528.74	810.20	1,049.02	137.24	13,118.63	15,393.16	2,274.53
208.00	120.97	192.00	236.97	32.52	3,196.06	3,359.71	163.65
146.62	70.67	85.40	143.95	14.47	1,777.05	2,134.16	357.11
2,829.39	2,398.47	4,710.60	4,195.46	797.93	52,996.87	52,995.05	(1.82)
1,456.66	1,248.11	2,431.00	2,098.15	411.79	26,676.62	33,427.59	6,750.97
534.95	323.98	515.40	620.85	87.30	7,990.24	8,631.85	641.61
9,109.44	7,461.43	14,323.60	13,540.77	2,426.28	184,088.38	196,949.50	12,861.12
1,549.78	983.67	1,621.40	1,857.84	274.65	22,156.36	24,320.00	2,163.64
845.90	517.25	842.40	992.19	142.69	12,383.40	13,268.33	884.93
285.54	153.98	223.60	306.62	37.88	3,754.85	4,471.32	716.47
418.26	165.75	210.40	396.63	35.64	4,772.93	5,050.40	277.47
82.57	31.93	39.80	77.45	6.74	1,057.06	1,094.96	137.90
1,209.83	746.35	1,157.40	1,431.47	196.05	16,812.34	18,229.76	1,417.42
9,751.90	7,461.71	13,621.20	13,240.22	2,307.30	166,724.96	160,049.12	(6,675.84)
1,265.29	742.06	1,188.20	1,453.79	201.27	17,597.85	20,495.03	2,897.18
2,453.56	1,525.86	2,520.20	2,914.22	426.90	35,939.80	39,692.11	3,752.31
296.52	194.57	332.00	357.51	56.24	4,512.01	4,897.26	385.25
1,393.04	739.19	1,045.00	1,488.73	177.01	18,600.52	20,901.33	2,300.81
7,979.38	6,699.64	13,040.20	12,129.96	2,208.88	151,400.05	166,263.60	14,863.55
13,038.32	10,368.54	19,516.20	18,400.89	3,305.86	233,501.56	234,193.80	692.24
3,429.91	2,059.43	3,365.40	3,999.32	570.07	47,978.73	53,004.55	5,025.82
732.88	321.10	421.20	720.71	71.35	8,871.52	10,530.83	1,659.31
3,633.64	1,884.26	2,941.60	3,963.64	498.28	48,619.02	55,156.32	6,537.30
192.47	96.05	141.80	202.61	24.02	2,546.02	3,192.02	646.00
14,150.46	11,478.31	21,550.40	20,124.93	3,650.43	256,444.92	253,216.41	(3,228.51)
1,743.34	1,061.00	1,703.20	2,022.61	288.51	23,762.70	24,269.32	506.62
150,424.05	135,351.33	271,593.00	232,929.46	46,005.25	2,962,528.07	2,987,521.53	24,993.46
952.80	525.96	794.60	1,050.50	134.60	14,245.05	14,900.34	655.29
1,189.90	679.83	992.60	1,334.59	168.14	15,603.67	17,120.93	1,517.26
635.28	286.31	403.60	638.07	68.37	7,519.68	9,183.80	1,664.12
3,544.91	2,843.92	5,365.40	5,030.99	908.85	64,076.89	65,724.94	1,648.05
212.80	109.57	161.80	228.60	27.41	2,869.11	3,439.68	570.57
674.77	514.42	929.80	889.60	157.50	11,213.08	11,389.81	176.73
4,382.88	3,182.99	5,692.00	5,779.66	964.17	71,576.90	72,572.09	995.19
546.04	268.88	378.40	560.79	64.10	6,327.97	6,717.79	389.82



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power.

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Kingsville.....	33.50	33.50	157,477.55	628.3	3,919.20	3,104.40	7,180.96
Kitchener.....	23.50	23.50	4,394,999.55	25,072.9	156,399.31	79,682.15	201,306.05
Lambeth.....	37.50	37.50	32,385.10	133.6	833.37	1,202.83	1,416.41
LaSalle.....	32.50	32.50	48,815.68	206.1	1,285.61	1,303.49	2,233.43
Leamington.....	32.50	32.50	406,486.41	1,613.1	10,062.17	7,949.00	18,525.95
Listowel.....	31.50	31.50	285,710.83	1,338.0	8,346.15	7,822.12	12,998.96
London.....	23.00	23.00	6,859,882.46	38,667.3	241,198.22	125,056.42	315,155.27
London Township..	29.50	29.50	110,235.61	528.5	3,296.67	2,413.72	4,942.27
Long Branch.....	25.50	25.50	184,398.44	997.4	6,221.56	3,706.82	8,400.26
Lucan.....	33.50	33.50	44,019.09	194.9	1,215.74	1,141.84	1,917.01
Lynden.....	33.50	33.50	26,290.80	116.3	725.45	706.81	1,195.24
Markham.....	32.50	32.50	83,222.65	370.6	2,311.72	1,988.01	3,812.93
Merlin.....	41.50	41.50	26,986.35	101.3	631.89	854.81	1,218.40
Merritton.....	20.00	20.00	1,110,908.09	7,682.7	47,923.02	18,793.22	50,791.20
Milton.....	30.50	30.50	260,892.58	1,320.2	8,235.12	5,630.30	11,872.33
Milverton.....	31.50	31.50	72,601.47	329.5	2,055.35	1,798.13	3,302.90
Mimico.....	22.50	22.50	413,873.60	2,419.0	15,089.20	8,479.27	18,932.22
Mitchell.....	29.50	29.50	135,666.90	664.6	4,145.64	3,669.62	6,181.10
Moorefield.....	58.00	58.00	15,700.78	38.6	240.78	504.77	675.00
Mount Brydges...	37.50	37.50	23,155.84	103.6	646.23	830.34	1,054.33
Newbury.....	49.50	49.50	8,990.94	32.0	199.61	419.96	401.10
New Hamburg....	30.50	30.50	124,854.92	590.2	3,681.54	2,812.92	5,685.88
New Toronto.....	25.50	25.50	2,075,300.15	10,816.6	67,471.60	43,664.35	94,651.90
Niagara Falls....	17.00	17.00	1,200,856.89	10,400.6	64,876.69	21,276.90	54,945.00
Niagara-on-the-Lake.....	22.50	22.50	115,160.40	793.6	4,950.30	2,847.51	5,232.60
North York Twp..	27.50	27.50	1,257,221.04	6,363.1	39,691.64	25,501.92	57,701.80
Norwich.....	30.50	30.50	91,400.63	408.6	2,548.76	1,937.65	4,119.90
Oil Springs.....	38.50	38.50	51,502.30	201.3	1,255.67	1,730.74	2,338.60
Otterville.....	40.50	40.50	29,815.23	112.9	704.25	868.01	1,331.30
Palmerston.....	34.00	34.00	127,289.25	552.9	3,448.87	4,108.31	5,793.10
Paris.....	24.50	24.50	327,983.97	1,801.5	11,237.37	6,454.47	14,992.00
Parkhill.....	55.50	55.50	66,587.47	193.0	1,203.89	2,349.75	3,022.40
Petrolia.....	35.50	35.50	265,853.00	1,118.9	6,979.45	7,265.50	12,063.40
Plattsville.....	44.00	44.00	30,713.44	109.4	682.41	1,120.03	1,389.50
Point Edward....	33.50	33.50	321,325.33	1,525.4	9,515.11	12,420.16	14,650.40



## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,466.85	852.87	1,256.60	1,661.79	212.86	19,229.81	21,046.38	1,816.57
32,241.38	26,486.82	50,145.80	46,444.48	8,494.22	584,211.77	589,214.24	5,002.47
288.49	165.15	267.20	329.70	45.26	4,457.89	5,008.75	550.86
437.95	268.48	412.20	514.77	69.82	6,386.11	6,699.86	313.75
3,791.76	2,139.07	3,226.20	4,284.60	546.49	49,432.26	52,427.05	2,994.79
2,459.26	1,607.90	2,676.00	3,011.65	453.29	38,468.78	42,146.50	3,677.72
51,022.36	41,277.71	77,334.60	72,626.87	13,099.74	910,571.71	889,347.15	(21,224.56)
914.11	617.04	1,057.00	1,144.80	179.05	14,206.56	15,591.00	1,384.44
1,436.04	1,092.19	1,994.80	1,942.33	337.90	24,456.10	25,434.57	978.47
370.05	237.55	389.80	445.31	66.03	5,651.27	6,527.77	876.50
240.18	144.04	232.60	277.70	39.40	3,482.60	3,896.65	414.05
729.02	456.45	741.20	882.85	125.55	10,796.61	12,043.16	1,246.55
262.35	140.06	202.60	283.36	34.32	3,559.15	4,202.25	643.10
6,828.75	7,039.68	15,365.40	11,705.82	2,602.75	155,844.40	153,654.48	(2,189.92)
2,162.89	1,457.39	2,640.40	2,754.93	447.26	34,306.12	40,265.09	5,958.97
639.88	409.40	659.00	765.71	111.63	9,518.80	10,377.72	858.92
2,988.21	2,493.63	4,838.00	4,363.50	819.51	56,364.54	54,427.89	(1,936.65)
1,129.09	767.48	1,329.20	1,431.02	225.16	18,428.00	19,605.20	1,177.20
171.60	64.40	77.20	157.54	13.08	1,878.27	2,239.29	361.02
208.34	127.20	207.20	244.88	35.10	3,283.44	3,884.08	600.64
89.48	45.15	64.00	94.15	10.84	1,302.64	1,582.36	279.72
1,079.89	699.81	1,180.40	1,318.59	199.95	16,259.00	18,001.10	1,742.10
16,708.99	12,266.04	21,633.20	21,861.17	3,664.46	274,592.85	275,822.67	1,229.82
5,012.67	8,134.84	20,801.20	12,663.45	3,523.52	184,187.31	176,809.35	(7,377.96)
735.45	630.22	1,587.20	1,214.04	268.86	16,978.50	17,856.76	878.26
9,914.14	7,184.82	12,726.20	13,330.97	2,155.70	163,895.84	174,984.78	11,088.94
807.59	506.59	817.20	954.98	138.43	11,554.33	12,461.30	906.97
493.36	278.53	402.60	543.14	68.20	6,974.45	7,750.80	776.35
291.55	151.38	225.80	311.89	38.25	3,846.00	4,573.81	727.81
1,155.68	696.45	1,105.80	1,342.39	187.31	17,463.38	18,797.18	1,333.80
2,496.78	1,943.15	3,603.00	3,459.61	610.31	43,576.09	44,136.32	560.23
739.76	302.35	386.00	703.05	65.38	8,641.85	10,713.83	2,071.98
2,436.29	1,464.03	2,237.80	2,804.16	379.06	34,871.61	40,403.17	5,531.56
313.73	150.64	218.80	323.89	37.06	4,162.02	4,813.25	651.23
2,709.63	1,840.17	3,050.80	3,393.46	516.78	47,062.98	51,101.45	4,038.47

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Port Colborne . . . .	24.50	24.50	346,934.49	1,910.2	11,915.41	6,282.01	15,830.81
Port Credit . . . . .	29.50	29.50	146,155.31	750.0	4,678.34	3,386.89	6,660.43
Port Dalhousie . . . .	25.50	25.50	141,567.81	814.3	5,079.43	3,185.05	6,422.74
Port Dover . . . . .	32.50	32.50	113,339.49	461.3	2,877.49	2,632.96	5,179.15
Port Rowan . . . . .	40.00	40.00	28,788.21	100.6	627.52	988.03	1,309.21
Port Stanley . . . . .	34.50	34.50	136,514.80	562.6	3,509.38	3,100.44	6,232.18
Preston . . . . .	24.00	24.00	617,452.09	3,535.1	22,051.19	12,581.84	28,257.48
Princeton . . . . .	40.50	40.50	37,358.15	120.7	752.90	1,170.22	1,704.07
Queenston . . . . .	24.50	24.50	20,055.94	136.4	850.83	438.04	907.62
Richmond Hill . . . .	30.50	30.50	95,683.96	452.9	2,825.09	2,030.51	4,382.11
Ridgetown . . . . .	33.50	33.50	131,788.46	575.5	3,589.84	3,488.73	5,941.25
Riverside . . . . .	29.50	30.50	246,551.45	1,033.8	6,448.62	4,529.89	11,274.74
Rockwood . . . . .	35.50	35.50	27,919.77	113.2	706.12	587.62	1,270.87
Rodney . . . . .	44.00	44.00	49,089.47	166.6	1,039.21	1,755.66	2,230.04
St. Catharines . . . .	20.00	20.50	3,149,098.46	21,807.3	136,029.21	55,514.31	143,342.22
St. Clair Beach . . . .	35.50	35.50	24,109.60	90.0	561.40	664.01	1,100.03
St. George . . . . .	35.50	35.50	37,691.70	142.4	888.26	1,123.22	1,723.65
St. Jacobs . . . . .	29.50	29.50	62,287.92	310.6	1,937.46	1,391.04	2,837.04
St. Marys . . . . .	30.50	30.50	305,389.09	1,468.7	9,161.44	9,263.22	13,924.16
St. Thomas . . . . .	23.50	23.50	1,420,165.10	7,841.5	48,913.57	29,181.74	65,373.95
Sarnia . . . . .	28.50	28.50	2,084,332.01	9,779.4	61,001.77	47,210.41	95,365.05
Scarborough Twp. . . .	27.50	27.50	779,630.58	3,944.0	24,601.82	14,826.87	35,343.11
Seaforth . . . . .	30.50	30.50	124,663.50	577.7	3,603.57	3,763.65	5,683.90
Simcoe . . . . .	25.50	25.50	482,774.94	2,444.6	15,248.88	9,465.05	22,170.77
Smithville . . . . .	35.08	35.00	42,170.67	156.6	976.84	1,047.38	1,791.90
Springfield . . . . .	43.50	43.50	19,438.60	67.3	419.80	462.72	896.73
Stamford Twp. . . . .	17.50	17.50	289,324.82	2,484.5	15,497.77	5,114.28	13,225.57
Stouffville . . . . .	40.50	40.50	68,366.72	272.5	1,699.80	2,157.59	3,102.73
Stratford . . . . .	25.50	25.50	1,355,913.83	7,267.4	45,332.46	28,635.18	61,957.21
Strathroy . . . . .	29.50	29.50	267,343.01	1,302.0	8,121.60	6,167.65	12,217.49
Streetsville . . . . .	34.00	34.00	38,177.46	188.4	1,175.20	1,133.00	1,728.86
Sutton . . . . .	43.00	43.00	78,054.05	253.2	1,579.41	1,998.04	3,385.13
Swansea . . . . .	29.00	29.00	511,294.86	3,011.3	18,783.84	18,550.58	23,288.51
Tavistock . . . . .	31.50	31.50	137,919.23	639.7	3,990.31	3,344.38	6,276.83
Tecumseh . . . . .	32.50	32.50	95,796.27	373.5	2,329.81	2,108.88	4,379.98



SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
				Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,772.52	2,113.67	3,820.40	3,655.23	647.14	45,742.91	46,800.77	1,057.86
1,198.53	857.46	1,500.00	1,543.86	254.09	19,571.42	22,125.75	2,554.33
1,073.01	837.41	1,628.60	1,485.87	275.87	19,436.24	20,764.68	1,328.44
1,081.53	603.23	922.60	1,199.40	156.28	14,340.08	14,993.06	652.98
296.92	143.60	201.20	304.44	34.08	3,836.84	4,025.67	188.83
1,295.58	730.10	1,125.20	1,445.06	190.60	17,247.34	19,409.71	2,162.37
4,519.19	3,722.20	7,070.20	6,522.77	1,197.62	83,527.25	84,842.78	1,315.53
398.22	174.88	241.40	393.91	40.89	4,794.71	4,888.35	93.64
130.35	123.57	272.80	211.43	46.21	2,888.43	3,341.00	452.57
800.61	539.29	905.80	1,015.51	153.43	12,345.49	13,812.43	1,466.94
1,160.55	720.52	1,151.00	1,378.26	194.97	17,235.18	19,279.07	2,043.89
2,220.99	1,367.66	2,067.60	2,599.14	350.23	30,158.41	31,329.94	1,171.53
267.55	149.20	226.40	294.88	38.35	3,464.29	4,018.02	553.73
513.31	238.47	333.20	518.94	56.44	6,572.39	7,328.94	756.55
19,148.72	19,887.89	43,614.60	33,033.87	7,387.89	443,182.93	445,284.82	2,101.89
230.53	125.85	180.00	252.37	30.49	3,083.70	3,195.31	111.61
374.79	196.80	284.80	398.02	48.24	4,941.30	5,053.41	112.11
517.06	359.66	621.20	657.94	105.23	8,216.17	9,161.96	945.79
2,523.21	1,763.13	2,937.40	3,219.63	497.57	42,294.62	44,794.18	2,499.56
10,804.61	8,524.53	15,683.00	15,049.52	2,656.55	190,874.37	184,275.25	(6,599.12)
17,754.78	11,849.21	19,558.80	22,024.63	3,313.07	271,451.58	278,711.95	7,260.37
6,055.77	4,410.16	7,888.00	8,186.41	1,336.15	99,975.99	108,460.91	8,484.92
1,082.49	685.65	1,155.40	1,314.84	195.71	17,093.79	17,620.84	527.05
3,963.65	2,773.93	4,889.20	5,115.04	828.18	62,798.34	62,338.55	(459.79)
388.30	217.30	313.20	413.37	53.05	5,095.24	5,482.44	387.20
205.92	94.76	134.60	208.61	22.80	2,400.34	2,927.92	527.58
1,234.38	1,950.83	4,969.00	3,051.00	841.70	44,201.13	43,479.48	(721.65)
643.65	351.40	545.00	724.69	92.32	9,132.54	11,035.93	1,903.39
10,432.58	8,040.09	14,534.80	14,304.57	2,462.06	180,774.83	185,319.53	4,544.70
2,263.28	1,479.64	2,604.00	2,828.25	441.09	35,240.82	38,409.22	3,168.40
323.02	221.34	376.80	403.23	63.83	5,297.62	6,406.14	1,108.52
760.31	355.73	506.40	787.26	85.78	9,286.50	10,888.33	1,601.83
3,422.17	3,031.26	6,022.60	5,407.00	1,020.17	77,485.79	87,327.22	9,841.43
1,196.82	779.35	1,279.40	1,454.65	216.72	18,105.02	20,149.00	2,043.98
903.22	513.69	747.00	1,009.80	126.53	11,865.85	12,139.31	273.46



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Thamesford . . .	34.00	34.00	50,876.32	206.4	1,287.48	1,279.13	2,322.49
Thamesville . . .	35.50	35.50	50,189.37	217.0	1,353.60	1,562.37	2,255.68
Thedford . . . . .	55.00	55.00	33,358.61	95.8	597.58	1,307.36	1,511.63
Thorndale . . . . .	50.00	50.00	22,081.19	73.9	460.97	661.73	995.30
Thorold . . . . .	21.00	21.00	368,961.99	2,404.0	14,995.63	6,733.82	16,867.72
Tilbury . . . . .	33.50	33.50	190,466.23	830.8	5,182.35	5,206.71	8,620.24
Tillsonburg . . . . .	28.50	28.50	275,945.08	1,329.4	8,292.51	5,656.48	12,510.78
Toronto . . . . .	22.60	22.60	56,936,327.12	336,346.5	2,098,056.45	978,819.20	2,608,750.89
Toronto Twp. . . . .	27.50	27.50	504,304.64	2,515.9	15,693.64	9,684.57	23,074.10
Trafalga Twp. . . . .							
Area No. 1 . . . . .	26.50	26.50	78,768.87	383.2	2,390.32	1,831.89	3,611.55
Trafalgar Twp. . . . .							
Area No. 2 . . . . .	27.50	27.50	33,787.17	151.2	943.15	909.50	1,552.06
Wallaceburg . . . . .	31.50	31.50	615,004.02	2,754.1	17,179.48	13,996.05	27,868.64
Wardsville . . . . .	57.50	57.50	11,622.46	38.4	239.53	496.10	516.74
Waterdown . . . . .	27.50	27.50	38,576.16	203.8	1,271.26	969.34	1,763.27
Waterford . . . . .	27.50	27.50	94,860.47	461.3	2,877.49	1,987.35	4,338.18
Waterloo . . . . .	24.00	24.00	829,204.43	4,672.0	29,142.92	15,256.21	37,968.40
Watford . . . . .	45.50	45.50	100,937.68	374.2	2,334.18	3,195.42	4,556.38
Welland . . . . .	19.50	19.50	1,361,629.11	10,581.4	66,004.48	23,812.59	62,130.64
Wellesley . . . . .	44.00	44.00	30,170.80	118.8	741.05	834.50	1,346.51
West Lorne . . . . .	36.50	36.50	48,676.36	196.2	1,223.85	1,633.05	2,226.46
Weston . . . . .	23.00	23.00	758,809.71	4,237.7	26,433.85	13,854.03	34,872.20
Wheatley . . . . .	45.00	45.00	60,585.84	185.4	1,156.48	1,502.31	2,746.36
Windsor . . . . .	26.00	26.00	9,170,774.02	44,665.3	278,612.44	150,817.17	418,712.21
Woodbridge . . . . .	30.50	30.50	134,688.11	641.7	4,002.79	2,629.09	6,149.27
Woodstock . . . . .	24.50	24.50	1,349,339.32	7,385.3	46,067.90	26,219.26	61,610.90
Wyoming . . . . .	47.50	47.50	22,630.85	72.5	452.24	758.03	1,028.16
York Township . . . . .	25.50	25.50	2,768,064.86	14,276.2	89,051.84	55,311.55	124,012.74
Zurich . . . . .	55.00	50.00	39,127.71	119.5	745.42	1,060.78	1,760.22
Ontario Reformatory . . . . .			54,171.09	288.8	1,801.47	1,154.07	2,473.07
Toronto Transportation Comm. . . . .			75,005.55	425.8	2,656.05	1,526.60	3,372.18
Totals—Municipalities . . . . .			151,635,530.66	864,531.2	5,392,758.02	2,811,599.00	6,936,999.35
Totals—Rural power districts . . . . .			11,749,848.51	53,497.1	333,703.41	264,336.02	533,893.24
Totals—Companies . . . . .			50,986,049.79	285,096.7	2,037,869.99	1,199,140.69	2,098,748.19
Totals—Local distribution sys. . . . .			767,265.80	2,622.9	16,361.09	42,968.78	35,351.67
Non-operating capital . . . . .			215,138,694.76				
			2,705,782.70				
Grand Totals . . . . .			217,844,477.46	1,205,747.9	7,780,692.51	4,318,044.49	9,604,992.45

STEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to  
 in each Municipality, and the amount remaining to be credited  
 supplied to it in the year ended October 31, 1941

Costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
486.19	272.05	412.80	537.79	69.92	6,528.01	7,017.31	489.30
445.06	276.92	434.00	524.93	73.52	6,779.04	7,702.63	923.59
367.69	154.25	191.60	351.78	32.46	4,449.43	5,267.85	818.42
232.06	105.25	147.80	233.25	25.04	2,811.32	3,693.33	882.01
2,457.20	2,309.78	4,808.00	3,887.80	814.43	51,245.52	50,483.32	(762.20)
1,682.63	1,043.87	1,661.60	1,994.75	281.46	25,110.69	27,831.54	2,720.85
2,327.81	1,534.41	2,658.80	2,896.67	450.37	35,427.09	37,886.95	2,459.86
79,648.82	337,712.22	672,693.00	602,115.27	113,947.70	7,563,848.15	7,601,430.69	37,582.54
4,236.84	2,942.88	5,031.80	5,330.80	852.33	65,142.30	69,186.56	4,044.26
674.44	465.24	766.40	832.39	129.82	10,442.41	10,155.69	(286.72)
306.69	196.94	302.40	356.91	51.22	4,516.43	4,157.30	(359.13)
5,353.64	3,377.16	5,508.20	6,455.17	933.04	78,805.30	86,755.43	7,950.13
119.87	56.25	76.80	121.75	13.01	1,614.03	2,207.07	593.04
308.88	225.02	407.60	408.00	69.04	5,284.33	5,603.62	319.29
801.41	547.97	922.60	1,002.75	156.28	12,321.47	12,687.04	365.57
6,161.57	4,963.36	9,344.00	8,762.29	1,582.78	110,015.97	112,127.40	2,111.43
996.16	521.74	748.40	1,065.14	126.77	13,290.65	17,028.00	3,737.35
7,174.03	9,029.71	21,162.80	14,354.12	3,584.78	200,083.59	206,337.17	6,253.58
292.96	156.77	237.60	318.48	40.25	3,887.62	5,226.11	1,338.49
467.48	258.01	392.40	514.94	66.47	6,649.72	7,162.15	512.43
5,375.25	4,397.44	8,475.40	8,016.54	1,435.65	99,989.06	97,466.52	(2,522.54)
643.80	280.97	370.80	638.46	62.81	7,276.37	8,342.29	1,065.92
73,723.17	52,604.62	89,330.60	96,687.05	15,131.75	1,145,355.51	1,161,297.58	15,942.07
1,115.98	747.72	1,283.40	1,425.94	217.40	17,136.79	19,570.54	2,433.75
10,273.41	8,061.06	14,770.60	14,225.81	2,502.00	178,726.94	180,939.44	2,212.50
238.92	108.19	145.00	238.60	24.56	2,944.58	3,441.38	496.80
20,390.44	15,649.90	28,552.40	28,608.54	4,836.50	356,740.91	364,043.31	7,302.40
426.50	180.19	239.00	413.16	40.48	4,784.79	6,074.01	1,289.22
426.70	318.00	577.60	572.70	97.84	7,225.77	7,797.85	572.08
557.72	444.79	851.60	790.34	144.25	10,055.03	12,467.18	2,412.15
187,776.28	899,300.53	1,728,253.00	1,601,204.86	(292,749.47)	20,165,141.57	20,480,731.25	376,770.84 (61,181.16)
102,514.64	65,154.56	106,994.20	123,164.05	(18,123.76)	1,511,636.36	1,511,636.36	.....
12,785.58	4,333,020.48	.....	480,563.02	279,884.12	10,742,012.07	10,742,012.07	.....
9,441.62	5,638.55	.....	8,155.30	30,989.11	148,906.12	148,906.12	.....
12,518.12	5,303,114.12	1,835,247.20	2,213,087.23	.....	32,567,696.12	32,883,285.80	376,770.84 (61,181.16)

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Acton.....	Jan. 1913	913.22	
Agincourt.....	Nov. 1922	1,115.20	
Ailsa Craig.....	Jan. 1916	505.98	
Alvinston.....	Apr. 1922	1,543.52	
Amherstburg.....	Nov. 1925	807.10	
Ancaster Township.....	May 1923	708.56	
Arkona.....	Dec. 1926	747.35	
Aylmer.....	Mar. 1918	1,792.59	
Ayr.....	Jan. 1915		41.15
Baden.....	May 1912	396.20	
Beachville.....	Aug. 1912	135.12	
Beamsville.....	May 1937	522.46	
Belle River.....	Dec. 1922	513.29	
Blenheim.....	Nov. 1915	2,337.46	
Blyth.....	July 1924	999.54	
Bolton.....	Feb. 1915	825.40	
Bothwell.....	Sept. 1915	1,165.03	
Brampton.....	Nov. 1911	6,130.76	
Brantford.....	Feb. 1914		6,686.19
Brantford Township.....	May 1924		80.36
Bridgeport.....	Mar. 1928	214.09	
Brigden.....	Jan. 1918	966.93	
Brussels.....	July 1924	962.22	
Burford.....	June 1915	512.25	
Burgessville.....	Nov. 1916	481.36	
Caledonia.....	Oct. 1912		97.20
Campbellville.....	Jan. 1925	86.13	
Cayuga.....	Nov. 1924	868.53	
Chatham.....	Feb. 1915	5,720.17	
Chippawa.....	Sept. 1919	510.81	
Clifford.....	May 1924	712.49	
Clinton.....	Mar. 1914	2,092.31	
Comber.....	May 1915	406.53	
Cottam.....	Nov. 1926	294.53	
Courtright.....	Dec. 1923	175.23	
Dashwood.....	Sept. 1917	595.44	
Delaware.....	Mar. 1915	277.62	
Delhi.....	May 1938	3,554.84	
Dorchester.....	Dec. 1914	412.55	
Drayton.....	Mar. 1918	770.68	
Dresden.....	April 1915	2,261.28	
Drumbo.....	Dec. 1914	330.03	
Dublin.....	Oct. 1917	335.54	
Dundas.....	Jan. 1911		522.22
Dunnville.....	June 1918	5,720.52	



## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	913.22	2,561.38	.....	2,561.38	.....
.....	1,115.20	1,670.81	.....	1,670.81	.....
.....	505.98	903.40	.....	903.40	.....
.....	1,543.52	1,353.70	.....	1,353.70	.....
.....	807.10	2,659.53	.....	2,659.53	.....
.....	708.56	710.53	.....	710.53	.....
.....	747.35	818.25	.....	818.25	.....
.....	1,792.59	1,696.24	.....	1,696.24	.....
41.15	.....	.....	641.05	.....	641.05
.....	396.20	544.33	.....	544.33	.....
.....	135.12	703.67	.....	703.67	.....
.....	522.46	.....	179.34	.....	179.34
.....	513.29	634.57	.....	634.57	.....
.....	2,337.46	2,280.46	.....	2,280.46	.....
.....	999.54	637.87	.....	637.87	.....
.....	825.40	990.76	.....	990.76	.....
.....	1,165.03	1,129.80	.....	1,129.80	.....
.....	6,130.76	8,074.23	.....	8,074.23	.....
6,686.19	.....	.....	5,970.65	.....	5,970.65
80.36	.....	.....	43.71	.....	43.71
.....	214.09	264.62	.....	264.62	.....
.....	966.93	987.42	.....	987.42	.....
.....	962.22	737.56	.....	737.56	.....
.....	512.25	448.03	.....	448.03	.....
.....	481.36	65.52	.....	65.52	.....
97.20	.....	264.16	.....	264.16	.....
.....	86.13	95.12	.....	95.12	.....
.....	868.53	756.37	.....	756.37	.....
.....	5,720.17	6,117.34	.....	6,117.34	.....
.....	510.81	358.20	.....	358.20	.....
.....	712.49	624.88	.....	624.88	.....
.....	2,092.31	1,776.78	.....	1,776.78	.....
.....	406.53	551.94	.....	551.94	.....
.....	294.53	442.32	.....	442.32	.....
.....	175.23	385.31	.....	385.31	.....
.....	596.44	692.68	.....	692.68	.....
.....	277.62	406.61	.....	406.61	.....
.....	3,554.84	2,156.27	.....	2,156.27	.....
.....	412.55	537.82	.....	537.82	.....
.....	770.68	563.39	.....	563.39	.....
.....	2,261.28	2,274.53	.....	2,274.53	.....
.....	330.03	163.65	.....	163.65	.....
.....	335.54	357.11	.....	357.11	.....
522.22	.....	.....	1.82	.....	1.82
.....	5,720.52	6,750.97	.....	6,750.97	.....

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Dutton.....	Sept. 1915	369.17	
East York township.....	July 1925	7,401.39	
Elmira.....	Nov. 1913	1,708.85	
Elora.....	Nov. 1914	782.36	
Embro.....	Jan. 1915	760.27	
Erieau.....	July 1924	956.82	
Erie Beach.....	July 1925	225.87	
Essex.....	Nov. 1923	900.66	
Etobicoke township.....	Aug. 1917		2,984.15
Exeter.....	June 1916	2,615.27	
Fergus.....	Nov. 1914	3,734.34	
Fonthill.....	June 1926	257.01	
Forest.....	Mar. 1917	2,021.11	
Forest Hill Village.....	Jan. 1938	8,401.35	
Galt.....	May 1911		63.58
Georgetown.....	Sept. 1913	4,007.26	
Glencoe.....	Aug. 1920	1,868.09	
Goderich.....	Feb. 1914	6,776.66	
Granton.....	July 1916	496.85	
Guelph.....	Dec. 1910		5,002.33
Hagersville.....	Sept. 1913		779.91
Hamilton.....	Feb. 1911		75,539.79
Harriston.....	July 1916	1,507.55	
Harrow.....	Nov. 1923	689.02	
Hensall.....	Jan. 1917	1,479.10	
Hespeler.....	Feb. 1911	1,331.34	
Highgate.....	Dec. 1916	446.00	
Humberstone.....	Oct. 1924	121.15	
Ingersoll.....	May 1911	1,376.96	
Jarvis.....	Feb. 1924	38.32	
Kingsville.....	Nov. 1923	1,422.71	
Kitchener.....	Jan. 1911	1,032.99	
Lambeth.....	April 1915	717.95	
LaSalle.....	Nov. 1925		99.58
Leamington.....	Nov. 1923	2,535.77	
Listowel.....	June 1916	2,579.35	
London.....	Jan. 1911		20,015.67
London township.....	Jan. 1925	1,207.16	
Long Branch.....	Jan. 1931	1,147.75	
Lucan.....	Feb. 1915	787.29	
Lynden.....	Nov. 1915	379.98	
Markham.....	April 1920	823.47	
Merlin.....	Dec. 1922	586.33	
Merritton.....	Nov. 1920		2,944.35
Milton.....	April 1913	3,904.90	

## SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	369.17	641.61	.....	641.61	.....
.....	7,401.39	12,861.12	.....	12,861.12	.....
.....	1,708.85	2,163.64	.....	2,163.64	.....
.....	782.36	884.93	.....	884.93	.....
.....	760.27	716.47	.....	716.47	.....
.....	956.82	277.47	.....	277.47	.....
.....	225.87	37.90	.....	37.90	.....
.....	900.66	1,417.42	.....	1,417.42	.....
2,984.15	.....	.....	6,675.84	.....	6,675.84
.....	2,615.27	2,897.18	.....	2,897.18	.....
.....	3,734.34	3,752.31	.....	3,752.31	.....
.....	257.01	385.25	.....	385.25	.....
.....	2,021.11	2,300.81	.....	2,300.81	.....
.....	8,401.35	14,863.55	.....	14,863.55	.....
63.58	.....	692.24	.....	692.24	.....
.....	4,007.26	5,025.82	.....	5,025.82	.....
.....	1,868.09	1,659.31	.....	1,659.31	.....
.....	6,776.66	6,537.30	.....	6,537.30	.....
.....	496.85	646.00	.....	646.00	.....
5,002.33	.....	.....	3,228.51	.....	3,228.51
.....	.....	506.62	.....	506.62	.....
779.91	.....	24,993.46	.....	24,993.46	.....
75,539.79	.....	655.29	.....	655.29	.....
.....	1,507.55	1,517.26	.....	1,517.26	.....
.....	689.02	1,664.12	.....	1,664.12	.....
.....	1,479.10	.....	.....	.....	.....
.....	1,331.34	1,648.05	.....	1,648.05	.....
.....	446.00	570.57	.....	570.57	.....
.....	121.15	176.73	.....	176.73	.....
.....	1,376.96	995.19	.....	995.19	.....
.....	38.32	389.82	.....	389.82	.....
.....	1,422.71	1,816.57	.....	1,816.57	.....
.....	1,032.99	5,002.47	.....	5,002.47	.....
.....	717.95	550.86	.....	550.86	.....
99.58	.....	313.75	.....	313.75	.....
.....	2,535.77	2,994.79	.....	2,994.79	.....
.....	2,579.35	3,677.72	.....	3,677.72	.....
20,015.67	.....	.....	21,224.56	.....	21,224.56
.....	1,207.16	1,384.44	.....	1,384.44	.....
.....	1,147.75	978.47	.....	978.47	.....
.....	787.29	876.50	.....	876.50	.....
.....	379.98	414.05	.....	414.05	.....
.....	823.47	1,246.55	.....	1,246.55	.....
.....	586.33	643.10	.....	643.10	.....
2,944.35	.....	.....	2,189.92	.....	2,189.92
.....	3,904.90	5,958.97	.....	5,958.97	.....



## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Milverton.....	June 1916	740.61	
Mimico.....	May 1912		979.89
Mitchell.....	Sept. 1911	1,187.67	
Moorefield.....	Mar. 1918	374.28	
Mount Brydges.....	Mar. 1915	414.69	
Newbury.....	Mar. 1921	329.11	
New Hamburg.....	Mar. 1911	1,739.46	
New Toronto.....	Feb. 1914	5,848.30	
Niagara Falls.....	Dec. 1915		2,807.26
Niagara-on-the-Lake.....	Aug. 1919	1,493.86	
North York Township.....	Nov. 1923	5,061.01	
Norwich.....	May 1912	981.17	
Oil Springs.....	Feb. 1918	907.33	
Otterville.....	Feb. 1916	1,070.12	
Palmerston.....	July 1916	1,316.99	
Paris.....	Feb. 1914	253.98	
Parkhill.....	May 1920	1,424.91	
Petrolia.....	May 1916	4,471.59	
Plattsville.....	Dec. 1914	690.71	
Point Edward.....	Nov. 1916	3,600.26	
Port Colborne.....	Mar. 1920	719.36	
Port Credit.....	Aug. 1912	1,896.03	
Port Dalhousie.....	Nov. 1912	1,140.40	
Port Dover.....	Dec. 1921	997.78	
Port Rowan.....	Nov. 1926	580.75	
Port Stanley.....	April 1912	1,743.67	
Preston.....	Jan. 1911	1,096.42	
Princeton.....	Jan. 1915	155.92	
Queenston.....	Mar. 1921	426.45	
Richmond Hill.....	June 1925	908.96	
Ridgetown.....	Dec. 1915	1,667.99	
Riverside.....	Nov. 1922		475.06
Rockwood.....	Sept. 1913	427.12	
Rodney.....	Feb. 1917	936.84	
St. Catharines.....	April 1914		8,005.35
St. Clair Beach.....	Nov. 1922		365.32
St. George.....	Sept. 1915	90.50	
St. Jacobs.....	Sept. 1917	699.03	
St. Marys.....	May 1911	1,665.99	
St. Thomas.....	April 1911		4,781.00
Sarnia.....	Dec. 1916	6,682.24	
Scarborough township.....	Aug. 1918	7,523.68	
Seaforth.....	Nov. 1911	965.63	
Simcoe.....	Aug. 1915	122.56	
Smithville.....	Nov. 1940		

## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
979.89	740.61	858.92	1,936.65	858.92	1,936.65
	1,187.67	1,177.20		1,177.20	
	374.28	361.02		361.02	
	414.69	600.64		600.64	
	329.11	279.72		279.72	
	1,739.46	1,742.10		1,742.10	
2,807.26	5,848.30	1,229.82	7,377.96	1,229.82	7,377.96
	1,493.86	878.26		878.26	
	5,061.01	11,088.94		11,088.94	
	981.17	906.97		906.97	
	907.33	776.35		776.35	
	1,070.12	727.81		727.81	
	1,316.99	1,333.80		1,333.80	
	253.98	560.23		560.23	
	1,424.91	2,071.98		2,071.98	
	4,471.59	5,531.56		5,531.56	
	690.71	651.23		651.23	
	3,600.26	4,038.47		4,038.47	
	719.36	1,057.86		1,057.86	
	1,896.03	2,554.33		2,554.33	
	1,140.40	1,328.44		1,328.44	
	997.78	652.98		652.98	
	580.75	188.83		188.83	
	1,743.67	2,162.37		2,162.37	
	1,096.42	1,315.53		1,315.53	
	155.92	93.64		93.64	
	426.45	452.57		452.57	
	908.96	1,466.94		1,466.94	
	1,667.99	2,043.89		2,043.89	
475.06		1,171.53		1,171.53	
	427.12	553.73		553.73	
8,005.35	936.84	756.55		756.55	
		2,101.89		2,101.89	
365.32		111.61		111.61	
	90.50	112.11		112.11	
	699.03	945.79		945.79	
3,595.00	1,665.99	2,499.56	6,599.12	2,499.56	7,785.12
	6,682.24	7,260.37		7,260.37	
	7,523.68	8,484.92		8,484.92	
	965.63	527.05		527.05	
	122.56		459.79		459.79
		387.20		387.20	

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Springfield.....	Aug. 1917	331.52	
Stamford Township.....	Nov. 1916		3.70
Stouffville.....	Sept. 1923	1,833.17	
Stratford.....	Jan. 1911	2,573.31	
Strathroy.....	Dec. 1914	2,291.95	
Streetsville.....	Dec. 1934	944.14	
Sutton.....	Aug. 1923	1,311.01	
Swansea.....	Oct. 1937	8,812.69	
Tavistock.....	Nov. 1916	1,563.55	
Tecumseh.....	Nov. 1922		137.72
Thamesford.....	Feb. 1914	459.53	
Thamesville.....	Oct. 1915	995.68	
Thedford.....	May 1922	772.89	
Thorndale.....	Mar. 1914	711.60	
Thorold.....	Jan. 1921		839.98
Tilbury.....	April 1915	1,631.81	
Tillsonburg.....	Aug. 1911	2,838.79	
Toronto.....	June 1911	69,355.77	
Toronto Township.....	Aug. 1913	1,709.80	
Trafalgar Township Area No. 1.....	Nov. 1936		182.46
Trafalgar Township Area No. 2.....	Nov. 1936		228.45
Wallaceburg.....	Feb. 1915	6,850.05	
Wardville.....	June 1921	565.67	
Waterdown.....	Nov. 1911	322.45	
Waterford.....	April 1915	460.76	
Waterloo.....	Dec. 1910	866.49	
Watford.....	Sept. 1917	3,286.67	
Welland.....	Sept. 1917	4,733.11	
Wellesley.....	Nov. 1916	1,339.46	
West Lorne.....	Jan. 1917	306.99	
Weston.....	Aug. 1911		4,191.31
Wheatley.....	Feb. 1924	1,187.32	
Windsor.....	Oct. 1914	24,669.36	
Woodbridge.....	Dec. 1914	1,874.00	
Woodstock.....	Jan. 1911	2,524.92	
Wyoming.....	Nov. 1916	303.45	
York Township.....	Jan. 1941		
Zurich.....	Sept. 1917	1,386.77	
Ontario Reformatory.....	Sept. 1913	490.83	
Toronto Transportation Commission.....	Jan. 1927	2,562.26	
Totals—Municipalities.....		331,040.42	137,853.98
Totals—Rural power districts.....		1,901,831.84	446,120.62
Grand totals.....		2,232,872.26	583,974.60



## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3.70	331.52	527.58	721.65	527.58	721.65
	1,833.17	1,903.39		1,903.39	
	2,573.31	4,544.70		4,544.70	
	2,291.95	3,168.40		3,168.40	
	944.14	1,108.52		1,108.52	
	1,311.01	1,601.83		1,601.83	
	8,812.69	9,841.43		9,841.43	
	1,563.55	2,043.98		2,043.98	
137.72		273.46		273.46	
	459.53	489.30		489.30	
	995.68	923.59		923.59	
	772.89	818.42		818.42	
	711.60	882.01		882.01	
839.98			762.20		762.20
	1,631.81	2,720.85		2,720.85	
	2,838.79	2,459.86		2,459.86	
	69,355.77	37,582.54		37,582.54	
	1,709.80	4,044.26		4,044.26	
182.46			286.72		286.72
228.45			359.13		359.13
	6,850.05	7,950.13		7,950.13	
	565.67	593.04		593.04	
	322.45	319.29		319.29	
	460.76	365.57		365.57	
	866.49	2,111.43		2,111.43	
	3,286.67	3,737.35		3,737.35	
	4,733.11	6,253.58		6,253.58	
	1,339.46	1,338.49		1,338.49	
	306.99	512.43		512.43	
4,191.31			2,522.54		2,522.54
	1,187.32	1,065.92		1,065.92	
	24,669.36	15,942.07		15,942.07	
	1,874.00	2,433.75		2,433.75	
	2,524.92	2,212.50		2,212.50	
	303.45	496.80		496.80	
		7,302.40		7,302.40	
	1,386.77	1,289.22		1,289.22	
	490.83	572.08		572.08	
	2,562.26	2,412.15		2,412.15	
136,667.98	331,040.42	376,770.84	61,181.16	376,770.84	62,367.16
76,129.40	18,302.66	305,568.26	73,446.89	2,256,908.09	511,248.76
212,797.38	349,343.08	682,339.10	134,628.05	2,633,678.93	573,615.92

## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Acton.....	24 years	77,616.00	Dutton.....	21 years	22,004.04
Agincourt.....	17 "	12,625.37	East York Twp.....	17 "	313,011.37
Ailsa Craig.....	21 "	16,947.83	Elmira.....	23 "	85,004.90
Alvinston.....	18 "	17,020.63	Elora.....	22 "	41,009.03
Amherstburg.....	24 "	60,739.45	Embro.....	22 "	12,442.80
Ancaster Township..	18 "	19,440.61	Erieau.....	18 "	7,386.20
Arkona.....	15 "	6,951.65	Erie Beach.....	17 "	1,842.30
Aylmer.....	18 "	48,369.06	Essex.....	18 "	35,333.19
Ayr.....	22 "	16,804.67	Etobicoke Twp.....	19 "	251,540.22
Baden.....	24 "	35,318.32	Exeter.....	20 "	46,862.48
Beachville.....	24 "	45,658.83	Fergus.....	22 "	70,847.37
Beamsville.....	5 "	5,412.16	Fonthill.....	16 "	7,259.67
Belle River.....	19 "	11,755.99	Forest.....	19 "	37,501.36
Blenheim.....	21 "	42,293.16	Forest Hill Village..	18 "	199,995.60
Blyth.....	18 "	11,033.11	Galt.....	25 "	608,515.67
Bolton.....	21 "	19,467.28	Georgetown.....	23 "	116,147.42
Bothwell.....	21 "	19,153.31	Glencoe.....	18 "	22,762.97
Brampton.....	25 "	192,114.68	Goderich.....	22 "	137,160.81
Brantford.....	22 "	1,016,437.09	Granton.....	20 "	8,918.99
Brantford Township.	17 "	39,141.30	Guelph.....	25 "	739,326.60
Bridgeport.....	14 "	7,131.06	Hagersville.....	23 "	84,636.25
Brigden.....	19 "	13,109.35	Hamilton.....	25 "	5,430,304.98
Brussels.....	18 "	14,626.36	Harriston.....	20 "	37,609.57
Burford.....	21 "	15,316.07	Harrow.....	18 "	28,469.43
Burgessville.....	20 "	5,919.94	Hensall.....	20 "	18,464.63
Caledonia.....	24 "	25,532.74	Hespeler.....	25 "	129,825.43
Campbellville.....	17 "	2,942.52	Highgate.....	20 "	10,690.32
Cayuga.....	17 "	10,982.11	Humberstone.....	18 "	23,898.50
Chatham.....	21 "	445,007.72	Ingersoll.....	25 "	204,850.17
Chippawa.....	19 "	19,166.17	Jarvis.....	18 "	16,834.54
Clifford.....	18 "	8,046.19	Kingsville.....	18 "	45,913.75
Clinton.....	22 "	52,086.50	Kitchener.....	25 "	1,455,457.02
Comber.....	21 "	20,473.57	Lambeth.....	21 "	10,848.28
Cottam.....	15 "	5,001.06	LaSalle.....	16 "	15,744.77
Courtright.....	18 "	6,367.71	Leamington.....	18 "	98,474.32
Dashwood.....	19 "	9,411.47	Listowel.....	20 "	86,732.10
Delaware.....	21 "	3,733.11	London.....	25 "	2,719,372.84
Delhi.....	4 "	5,768.25	London Township.....	17 "	23,386.09
Dorchester.....	22 "	8,515.27	Long Branch.....	11 "	30,331.44
Drayton.....	18 "	14,038.82	Lucan.....	21 "	20,278.92
Dresden.....	21 "	35,673.33	Lynden.....	21 "	14,391.34
Drumbo.....	22 "	7,406.37	Markham.....	18 "	21,575.05
Dublin.....	19 "	6,296.24	Merlin.....	18 "	12,820.04
Dundas.....	25 "	155,913.24	Merritton.....	20 "	179,722.80
Dunnville.....	18 "	69,577.24	Milton.....	23 "	110,785.81

## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Milverton.....	20 years	46,552.97	Springfield.....	19 years	9,922.74
Mimico.....	24 "	156,792.27	Stamford Township..	20 "	107,222.49
Mitchell.....	25 "	49,061.69	Stouffville.....	18 "	18,438.01
Moorefield.....	18 "	6,768.56	Stratford.....	25 "	649,469.98
Mount Brydges....	21 "	8,472.84	Strathroy.....	22 "	96,725.05
Newbury.....	18 "	4,920.17	Streetsville.....	7 "	3,051.09
New Hamburg.....	25 "	53,992.73	Sutton.....	18 "	18,203.19
New Toronto.....	22 "	502,521.76	Swansea.....	16 "	91,929.35
Niagara Falls.....	21 "	623,841.04	Tavistock.....	20 "	49,431.52
Niagara-on-the-Lake.	18 "	34,777.21	Tecumseh.....	19 "	28,478.38
North York Twp....	18 "	173,997.74	Thamesford.....	22 "	18,616.75
Norwich.....	24 "	40,038.40	Thamesville.....	21 "	19,067.52
Oil Springs.....	18 "	26,997.21	Thedford.....	18 "	10,393.67
Otterville.....	20 "	9,766.69	Thorndale.....	22 "	9,226.26
Palmerston.....	20 "	47,341.57	Thorold.....	19 "	111,483.53
Paris.....	22 "	123,501.71	Tilbury.....	21 "	51,257.68
Parkhill.....	18 "	20,989.19	Tillsonburg.....	25 "	96,353.31
Petrolia.....	20 "	111,222.25	Toronto.....	25 "	20,521,051.81
Plattsville.....	22 "	10,007.54	Toronto Twp.....	23 "	124,410.47
Point Edward.....	19 "	67,306.18	Trafalgar Twp., Area 1	5 "	6,076.34
Port Colborne.....	20 "	103,115.79	Trafalgar Twp., Area 2	5 "	2,025.48
Port Credit.....	24 "	44,998.73	Wallaceburg.....	21 "	204,765.39
Port Dalhousie....	20 "	40,025.07	Wardsville.....	18 "	4,002.18
Port Dover.....	18 "	28,807.26	Waterdown.....	25 "	24,228.19
Port Rowan.....	15 "	7,550.45	Waterford.....	21 "	35,018.97
Port Stanley.....	24 "	44,561.11	Waterloo.....	25 "	286,368.44
Preston.....	25 "	282,550.94	Watford.....	19 "	25,887.61
Princeton.....	22 "	10,333.11	Welland.....	19 "	323,842.17
Queenston.....	18 "	7,606.68	Wellesley.....	20 "	17,522.43
Richmond Hill.....	17 "	22,052.57	West Lorne.....	20 "	26,930.89
Ridgetown.....	21 "	46,678.29	Weston.....	25 "	258,313.60
Riverside.....	19 "	89,398.99	Wheatley.....	18 "	14,958.78
Rockwood.....	23 "	12,254.05	Windsor.....	22 "	3,302,638.91
Rodney.....	19 "	14,884.45	Woodbridge.....	22 "	34,337.80
St. Catharines.....	20 "	674,904.86	Woodstock.....	25 "	438,501.29
St. Clair Beach.....	19 "	7,460.16	Wyoming.....	20 "	8,933.01
St. George.....	21 "	15,344.70	York Township.....	21 "	778,345.53
St. Jacobs.....	19 "	17,990.93	Zurich.....	19 "	14,297.53
St. Marys.....	25 "	144,079.01	Ontario Reformatory.	7 "	6,323.37
St. Thomas.....	25 "	540,533.53	Toronto Trans. Com.	20 "	187,839.92
Sarnia.....	20 "	682,950.62	Sandwich, Windsor & Amherstburg Railway	19 "	189,985.23
Scarborough Twp..	18 "	208,189.36			
Seaforth.....	25 "	66,210.21			
Simcoe.....	21 "	119,329.84			
Smithville.....	1 "	496.72			
			Total—Municipalities.....		\$49,860,687.30
			Total—Rural power districts		3,338,700.92
			Grand total.....		\$53,199,388.22



## NIAGARA SYSTEM

## N—RURAL OPERATING

## Rural Power Districts

## Operating Account for Year Ended October 31, 1941

Revenue from customers in rural power districts.....	\$3,440,369.44
Cost of power as provided to be paid under Power Commission Act..	\$1,511,636.36
Cost of operation, maintenance and administration.....	812,894.86
Interest.....	530,712.66
Provision for renewals.....	230,573.90
Provision for sinking fund.....	122,430.29
	<hr/>
	3,208,248.07
Balance.....	<hr/>
	\$ 232,121.37
	<hr/>

## NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1941

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Milton.....	440.82	21.86	8.82	4.41	7.93	43.02
Welland.....	19,617.60	823.94	392.35	196.18	353.12	1,765.59
Totals.....	20,058.42	845.80	401.17	200.59	361.05	1,808.61

## NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1941

Operated by	Period of years ended October 31, 1941	Amount
		\$ c.
Milton.....	28 years	373.42
Welland.....	29 years	17,779.02
Total.....		18,152.44

## GEORGIAN BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alliston.....	48.00	48.00	116,335.70	360.9	844.25	4,489.70	4,849.13
Arthur.....	63.00	63.00	62,639.59	160.0	374.29	3,552.57	2,713.94
Barrie.....	32.50	32.50	775,727.39	3,684.6	8,619.32	33,314.22	33,606.63
Beaverton.....	40.00	40.00	62,040.12	249.6	583.89	2,867.67	2,705.88
Beeton.....	60.00	62.00	50,163.11	120.6	282.12	2,050.11	2,173.90
Bradford.....	50.00	50.00	65,036.64	203.4	475.81	3,100.37	2,815.92
Brechin.....	48.50	48.50	17,331.54	57.2	133.81	762.08	751.15
Cannington.....	40.50	40.50	46,268.96	181.6	424.81	2,210.66	2,003.58
Chatsworth.....	41.00	41.00	20,548.58	77.5	181.29	890.83	880.95
Chesley.....	35.50	35.50	137,377.23	569.4	1,331.99	5,782.69	5,961.39
Coldwater.....	35.00	35.00	33,460.14	123.3	288.43	1,302.24	1,457.63
Collingwood.....	37.00	37.00	471,809.15	2,083.6	4,874.13	19,728.36	20,367.09
Cookstown.....	45.00	45.00	22,767.13	77.1	180.36	1,040.22	983.39
Creemore.....	48.00	48.00	42,426.40	146.5	342.71	1,937.51	1,825.26
Dundalk.....	37.00	37.00	56,622.66	238.4	557.69	2,736.25	2,438.09
Durham.....	39.00	39.00	97,620.17	396.5	927.53	5,059.79	4,376.39
Elmvale.....	39.50	39.50	39,192.22	166.5	389.49	2,264.99	1,695.98
Elmwood.....	42.50	42.50	17,796.41	70.2	164.22	913.41	769.76
Flesherton.....	45.00	45.00	17,880.50	65.9	154.16	1,067.57	774.82
Grand Valley.....	53.00	53.00	39,469.23	118.5	277.21	1,981.76	1,685.84
Gravenhurst.....	25.00	25.00	187,483.65	1,092.2	.....	8,042.22	8,140.18
Hanover.....	32.00	32.00	272,223.37	1,252.2	2,929.25	11,150.45	11,820.52
Holstein.....	80.00	80.00	9,091.14	20.1	47.02	789.96	394.20
Huntsville.....	28.00	28.00	251,995.41	1,196.1	.....	9,835.32	10,974.39
Kincardine.....	45.00	45.00	198,417.19	693.5	1,622.29	7,989.13	8,614.76
Kirkfield.....	56.00	56.00	10,348.55	25.4	59.42	369.43	449.92
Lucknow.....	51.00	51.00	90,631.57	282.3	660.38	3,963.95	3,943.59
Markdale.....	37.00	37.00	43,191.17	185.8	434.64	2,030.35	1,871.29
Meaford.....	40.00	40.00	165,087.36	651.1	1,523.11	6,829.95	7,139.46
Midland.....	31.50	31.50	759,671.37	3,637.8	8,509.84	32,882.96	32,959.61
Mildmay.....	45.00	45.00	37,960.64	135.7	317.44	1,562.20	1,640.21
Mount Forest.....	44.00	44.00	152,678.19	525.8	1,230.00	7,889.78	6,570.61
Neustadt.....	55.00	55.00	11,814.50	42.1	98.48	626.88	505.58
Orangeville.....	44.00	44.00	194,026.20	675.1	1,579.25	8,795.25	8,404.04
Owen Sound.....	32.00	32.00	1,026,021.23	4,757.8	11,129.84	43,257.51	44,584.95



## SYSTEM

## G.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,599.12	938.65	1,443.60	1,176.10	9.50	15,350.05	17,322.00	1,971.95
968.31	460.39	640.00	657.96	4.21	9,371.67	10,082.65	710.98
8,963.12	8,558.45	14,738.40	8,130.72	96.98	116,027.84	119,749.51	3,721.67
806.31	616.07	998.40	655.63	6.57	9,240.42	9,982.66	742.24
783.61	349.90	482.40	524.24	3.17	6,649.45	7,426.90	777.45
939.08	537.87	813.60	682.75	5.35	9,370.75	10,170.41	799.66
244.93	150.74	228.80	181.92	1.51	2,454.94	2,775.81	320.87
602.47	451.52	726.40	485.34	4.78	6,909.56	7,355.16	445.60
269.54	200.62	310.00	213.67	2.04	2,948.94	3,179.21	230.27
1,735.12	1,401.63	2,277.60	1,440.76	14.99	19,946.17	20,212.83	266.66
449.97	321.13	493.20	351.08	3.25	4,666.93	4,315.79	(351.14)
5,730.18	4,956.36	8,334.40	4,946.18	54.84	68,991.54	77,093.19	8,101.65
317.54	203.46	308.40	238.57	2.03	3,273.97	3,469.52	195.55
587.16	377.26	586.00	444.79	3.86	6,104.55	7,033.60	929.05
701.71	579.98	953.60	590.19	6.28	8,563.79	8,822.26	258.47
1,311.29	984.77	1,586.00	1,057.52	10.44	15,313.73	15,461.90	148.17
487.81	406.03	666.00	410.99	4.38	6,325.67	6,574.79	249.12
231.11	179.03	280.80	186.68	1.85	2,726.86	2,983.51	256.65
240.44	165.96	263.60	187.61	1.73	2,855.89	2,963.65	107.76
578.69	323.68	474.00	414.40	3.12	5,738.70	6,281.83	543.13
1,810.68	2,392.96	4,368.80	1,964.61	28.75	26,748.20	27,304.80	556.60
3,217.99	2,983.15	5,008.80	2,853.70	32.96	39,996.82	40,070.33	73.51
145.98	59.45	80.40	95.47	0.53	1,613.01	1,606.68	(6.33)
2,916.46	2,741.51	4,784.40	2,643.01	31.48	33,926.57	33,490.80	(435.77)
2,757.76	1,765.01	2,774.00	2,094.09	18.25	27,635.29	31,208.80	3,573.51
161.81	73.44	101.60	108.71	0.67	1,325.00	1,423.34	98.34
1,319.44	749.44	1,129.20	956.07	7.43	12,729.50	14,399.02	1,669.52
533.46	444.61	743.20	452.90	4.89	6,515.34	6,873.68	358.34
2,144.06	1,605.98	2,604.40	1,731.71	17.14	23,595.81	26,044.27	2,448.46
8,725.23	8,369.59	14,551.20	7,962.14	95.75	114,056.32	114,589.20	532.88
518.40	349.29	542.80	398.58	3.57	5,332.49	6,104.28	771.79
2,102.87	1,347.56	2,103.20	1,594.01	13.84	22,851.87	23,134.11	282.24
161.43	106.95	168.40	123.97	1.11	1,792.80	2,317.81	525.01
2,677.06	1,722.40	2,700.40	2,034.56	17.77	27,930.73	29,705.12	1,774.39
12,060.79	11,141.90	19,031.20	10,755.34	125.24	152,086.77	152,249.59	162.82

## GEORGIAN BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Paisley .....	50.00	50.00	44,461.09	140.2	327.97	1,819.41	1,920.93
Penetanguishene ..	36.50	36.50	210,901.05	912.7	2,135.06	9,119.21	9,068.67
Port Elgin .....	39.00	39.00	129,684.14	478.5	1,119.35	5,511.30	5,633.78
Port McNicoll .....	37.00	37.00	22,341.57	88.1	206.09	966.94	970.82
Port Perry .....	46.50	46.50	86,705.68	290.2	678.86	3,982.58	3,749.61
Priceville .....	50.00	57.00	3,286.52	10.0	23.39	134.24	144.18
Ripley .....	65.00	65.00	35,447.27	90.0	210.54	1,626.19	1,533.28
Rosseau .....	80.00	80.00	26,172.68	44.2	.....	1,036.97	1,137.29
Shelburne .....	42.00	42.00	67,952.57	251.1	587.39	3,433.10	2,947.59
Southampton .....	39.00	39.00	125,181.83	485.7	1,136.19	5,427.55	5,433.62
Stayner .....	38.00	38.00	70,085.95	281.3	658.04	3,114.45	3,037.87
Sunderland .....	54.00	54.00	25,990.60	79.3	185.51	1,270.78	1,119.57
Tara .....	42.00	42.00	30,358.08	108.3	253.34	1,439.19	1,315.09
Teeswater .....	50.00	50.00	47,006.69	149.5	349.72	2,053.48	2,038.25
Thornton .....	60.00	60.00	10,395.17	27.4	64.10	426.06	445.32
Tottenham .....	70.00	70.00	37,569.02	79.4	185.74	1,493.85	1,628.54
Uxbridge .....	48.50	48.50	104,652.30	341.1	797.93	4,264.55	4,519.66
Victoria Harbour ..	38.00	38.00	20,217.74	82.1	192.06	953.32	875.75
Walkerton .....	34.00	34.00	195,223.57	896.1	2,096.23	8,282.19	8,463.19
Waubaushe .....	38.00	38.00	23,135.65	99.1	231.82	1,058.84	1,001.00
Warton .....	54.00	54.00	110,685.07	326.4	763.54	4,375.50	4,784.73
Windermere .....	55.00	55.00	15,238.67	44.3	.....	688.49	653.75
Wingham .....	50.00	50.00	181,770.36	595.0	1,391.87	6,986.15	7,896.88
Woodville .....	54.00	54.00	25,698.26	77.6	181.53	1,099.84	1,106.03
Totals—Municipalities .....			7,253,315.94	30,301.9	65,324.74	313,632.52	314,275.43
Totals—Rural power districts .....			1,915,903.28	7,414.3	18,934.52	74,985.56	82,747.14
Totals—Companies .....			1,528,275.49	1,375.6	66,030.88	13,914.35	18,755.31
Totals—Local distribution systems .....			253,953.19	535.9	1,253.63	13,925.65	10,749.90
Non-operating capital .....			10,951,447.90				
			126,514.29				
Grand totals .....			11,077,962.19	39,627.7	151,543.77	416,458.08	426,527.78

SYSTEM

G.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
639.94	373.64	560.80	466.74	3.69	6,113.12	7,007.50	894.38
2,571.74	2,172.05	3,650.80	2,199.11	24.02	30,940.66	33,312.11	2,371.45
1,742.88	1,199.74	1,914.00	1,360.68	12.60	18,494.33	18,661.85	167.52
290.19	223.29	352.40	234.36	2.32	3,246.41	3,260.95	14.54
1,218.24	743.71	1,160.80	910.10	7.64	12,451.54	13,494.30	1,042.76
47.95	29.06	40.00	34.50	0.26	453.58	558.33	104.75
551.72	255.32	360.00	373.81	2.37	4,913.23	5,851.09	937.86
445.00	147.32	176.80	275.21	1.16	3,219.75	3,535.99	316.24
912.58	639.83	1,004.40	712.97	6.61	10,244.47	10,546.38	301.91
1,640.04	1,198.33	1,942.80	1,313.20	12.78	18,104.51	18,940.69	836.18
901.56	704.83	1,125.20	735.13	7.40	10,284.48	10,688.45	403.97
378.82	211.63	317.20	272.87	2.09	3,758.47	4,283.10	524.63
414.60	284.43	433.20	318.56	2.85	4,461.26	4,547.55	86.29
676.70	412.30	598.00	494.70	3.94	6,627.09	7,476.67	849.58
159.19	80.31	109.60	109.18	0.72	1,394.48	1,641.50	247.02
606.77	243.54	317.60	392.98	2.09	4,871.11	5,558.00	686.89
1,486.69	884.76	1,364.40	1,098.57	8.98	14,425.54	16,544.56	2,119.02
257.35	202.13	328.40	211.51	2.16	3,022.68	3,119.16	96.48
2,314.21	2,120.68	3,584.40	2,048.15	23.59	28,932.64	30,468.83	1,536.19
286.51	244.56	396.40	242.60	2.61	3,464.34	3,767.37	303.03
1,633.36	882.60	1,305.60	1,162.18	8.59	14,916.10	17,625.15	2,709.05
226.12	120.17	177.20	160.07	1.17	2,026.97	2,434.67	407.70
2,603.90	1,555.68	2,380.00	1,921.87	15.66	24,752.01	29,749.99	4,997.98
375.98	207.75	310.40	269.80	2.04	3,553.37	4,188.15	634.78
91,182.97	73,154.40	121,207.60	76,064.82	797.60	1,055,640.08	1,111,041.35	56,194.51 (793.24)
25,255.23	18,455.16	29,657.20	19,987.76	195.17	270,217.74	270,217.74	.....
5,114.47	128,247.54	.....	4,530.37	(860.17)	235,732.75	235,732.75	.....
3,989.51	2,370.44	.....	2,596.66	(132.60)	34,753.19	34,753.19	.....
125,542.18	222,227.54	150,864.80	103,179.61	.....	1,596,343.76	1,651,745.03	56,194.51 (793.24)



## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Alliston.....	June 1918	1,195.62	.....
Arthur.....	Dec. 1916	600.21	.....
Barrie.....	April 1913	3,243.05	.....
Beaverton.....	Nov. 1914	501.63	.....
Beeton.....	Aug. 1918	.....	199.03
Bradford.....	Oct. 1918	532.43	.....
Brechin.....	Jan. 1915	108.21	.....
Cannington.....	Nov. 1914	353.33	.....
Chatsworth.....	Dec. 1915	164.98	.....
Chesley.....	July 1916	190.10	.....
Coldwater.....	Mar. 1913	.....	212.79
Collingwood.....	Mar. 1913	5,493.47	.....
Cookstown.....	May 1918	212.65	.....
Creemore.....	Nov. 1914	774.89	.....
Dundalk.....	Dec. 1915	274.95	.....
Durham.....	Dec. 1915	96.23	.....
Elmvale.....	June 1913	340.55	.....
Elmwood.....	April 1918	154.03	.....
Flesherton.....	Dec. 1915	89.67	.....
Grand Valley.....	Dec. 1916	1,403.29	.....
Gravenhurst.....	Nov. 1915	.....	1,699.79
Hanover.....	Sept. 1916	.....	370.74
Holstein.....	May 1916	53.63	.....
Huntsville.....	Sept. 1916	.....	2,513.13
Kincardine.....	Mar. 1921	3,153.47	.....
Kirkfield.....	June 1920	6.22	.....
Lucknow.....	Jan. 1921	867.35	.....
Markdale.....	Mar. 1916	220.31	.....
Meaford.....	Jan. 1924	1,790.35	.....
Midland.....	July 1911	138.30	.....
Mildmay.....	Dec. 1932	509.11	.....
Mount Forest.....	Dec. 1915	1,673.09	.....
Neustadt.....	Dec. 1918	370.15	.....
Orangeville.....	July 1916	1,137.30	.....
Owen Sound.....	Dec. 1915	.....	1,475.77

SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,195.62	1,971.95	.....	1,971.95	.....
.....	600.21	710.98	.....	710.98	.....
.....	3,243.05	3,721.67	.....	3,721.67	.....
.....	501.63	742.24	.....	742.24	.....
199.03	.....	777.45	.....	777.45	.....
.....	532.43	799.66	.....	799.66	.....
.....	108.21	320.87	.....	320.87	.....
.....	353.33	445.60	.....	445.60	.....
.....	164.98	230.27	.....	230.27	.....
.....	190.10	266.66	.....	266.66	.....
212.79	.....	.....	351.14	.....	351.14
.....	5,493.47	8,101.65	.....	8,101.65	.....
.....	212.65	195.55	.....	195.55	.....
.....	774.89	929.05	.....	929.05	.....
.....	274.95	258.47	.....	258.47	.....
.....	96.23	148.17	.....	148.17	.....
.....	340.55	249.12	.....	249.12	.....
.....	154.03	256.65	.....	256.65	.....
.....	89.67	107.76	.....	107.76	.....
.....	1,403.29	543.13	.....	543.13	.....
1,699.79	.....	556.60	.....	556.60	.....
370.74	.....	73.51	.....	73.51	.....
.....	53.63	.....	6.33	.....	6.33
2,513.13	.....	.....	435.77	.....	435.77
.....	3,153.47	3,573.51	.....	3,573.51	.....
.....	6.22	98.34	.....	98.34	.....
.....	867.35	1,669.52	.....	1,669.52	.....
.....	220.31	358.34	.....	358.34	.....
.....	1,790.35	2,448.46	.....	2,448.46	.....
.....	138.30	532.88	.....	532.88	.....
.....	509.11	771.79	.....	771.79	.....
.....	1,673.09	282.24	.....	282.24	.....
.....	370.15	525.01	.....	525.01	.....
.....	1,137.30	1,774.39	.....	1,774.39	.....
.....	.....	162.82	.....	.....	1,312.95

## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Paisley .....	Sept. 1923	627.59	
Penetanguishene .....	July 1911	2,138.58	
Port Elgin .....	Mar. 1931		39.92
Port McNicoll .....	Jan. 1915		32.92
Port Perry .....	Sept. 1922	1,074.14	
Priceville .....	Mar. 1920		68.11
Ripley .....	Jan. 1921	686.73	
Rosseau .....	July 1931	105.24	
Shelburne .....	July 1916	249.84	
Southampton .....	Feb. 1931	145.41	
Stayner .....	Oct. 1913	328.74	
Sunderland .....	Nov. 1914	570.86	
Tara .....	Feb. 1918	169.66	
Teeswater .....	Dec. 1920	583.21	
Thornton .....	Nov. 1918	282.38	
Tottenham .....	Oct. 1918		76.38
Uxbridge .....	Sept. 1922	1,633.23	
Victoria Harbour .....	July 1914		6.07
Walkerton .....	Feb. 1931	838.54	
Waubaushehene .....	Dec. 1914	200.82	
Warton .....	May 1931	1,564.62	
Windermere .....	June 1930	342.65	
Wingham .....	Dec. 1920	3,406.37	
Woodville .....	Nov. 1914	656.09	
Totals—Municipalities .....		41,253.27	6,694.65
Totals—Rural power districts .....		85,499.40	289,223.87
Grand totals .....		126,752.67	295,918.52



SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	627.59	894.38		894.38	
	2,138.58	2,371.45		2,371.45	
39.92		167.52		167.52	
32.92		14.54		14.54	
	1,074.14	1,042.76		1,042.76	
68.11		104.75		104.75	
	686.73	937.86		937.86	
	105.24	316.24		316.24	
	249.84	301.91		301.91	
	145.41	836.18		836.18	
	328.74	403.97		403.97	
	570.86	524.63		524.63	
	169.66	86.29		86.29	
	583.21	849.58		849.58	
	282.38	247.02		247.02	
76.38		686.89		686.89	
	1,633.23	2,119.02		2,119.02	
6.07		96.48		96.48	
	838.54	1,536.19		1,536.19	
	200.82	303.03		303.03	
	1,564.62	2,709.05		2,709.05	
	342.65	407.70		407.70	
	3,406.37	4,997.98		4,997.98	
	656.09	634.78		634.78	
5,218.88	41,253.27	56,194.51	793.24	56,031.69	2,106.19
3,899.75	12,064.77	13,675.35	54,575.25	101,541.68	354,331.07
9,118.63	53,318.04	69,869.86	55,368.49	157,573.37	356,437.26

## GEORGIAN BAY SYSTEM

## G.B.—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon, to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Alliston.....	18 years	25,744.34	Mildmay.....	9 years	3,619.85
Arthur.....	20 "	21,304.93	Mount Forest.....	21 "	35,992.81
Barrie.....	23 "	168,477.62	Neustadt.....	18 "	6,968.24
Beaverton.....	22 "	22,517.83	Orangeville.....	20 "	48,789.66
Beeton.....	18 "	17,009.88	Owen Sound.....	21 "	231,367.11
Bradford.....	18 "	19,933.62	Paisley.....	17 "	12,073.69
Brechin.....	22 "	8,345.15	Penetanguishene.....	25 "	69,047.00
Cannington.....	22 "	16,994.89	Port Elgin.....	11 "	13,005.23
Chatsworth.....	21 "	4,918.39	Port McNicoll.....	22 "	6,912.07
Chesley.....	20 "	39,811.99	Port Perry.....	17 "	19,275.75
Coldwater.....	23 "	16,359.38	Priceville.....	17 "	1,047.73
Collingwood.....	23 "	149,363.32	Ripley.....	17 "	8,536.57
Cookstown.....	18 "	5,921.08	Rosseau.....	11 "	3,837.96
Creemore.....	22 "	13,091.28	Shelburne.....	20 "	20,952.35
Dundalk.....	21 "	13,953.40	Southampton.....	11 "	11,427.58
Durham.....	21 "	34,044.78	Stayner.....	23 "	18,233.47
Elmvale.....	23 "	16,472.46	Sunderland.....	22 "	11,118.81
Elmwood.....	18 "	4,549.22	Tara.....	18 "	9,261.37
Flesherton.....	21 "	7,224.64	Teeswater.....	17 "	13,443.32
Grand Valley.....	20 "	13,235.63	Thornton.....	18 "	3,669.38
Gravenhurst.....	21 "	32,285.26	Tottenham.....	18 "	11,622.15
Hanover.....	20 "	89,442.76	Uxbridge.....	17 "	20,639.17
Holstein.....	20 "	2,945.70	Victoria Harbour.....	22 "	7,104.90
Huntsville.....	20 "	65,212.35	Walkerton.....	11 "	20,966.20
Kincardine.....	17 "	46,728.60	Waubashene.....	22 "	4,863.52
Kirkfield.....	17 "	3,496.91	Warton.....	11 "	15,552.74
Lucknow.....	17 "	21,536.33	Windermere.....	12 "	2,655.12
Markdale.....	20 "	11,293.30	Wingham.....	17 "	40,372.93
Meaford.....	17 "	33,062.29	Woodville.....	22 "	10,859.35
Midland.....	23 "	238,557.82			
			Total—Municipalities.....		\$1,847,051.18
			Total—Rural power districts.....		374,268.44
			Grand total.....		\$2,221,319.62

G.B.—RURAL OPERATING

GEORGIAN BAY SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1941

Revenue from customers in rural power districts.....	\$582,558.42
Cost of power as provided to be paid under Power Commission Act....	\$270,217.74
Cost of operation, maintenance and administration.....	157,154.77
Interest.....	116,434.44
Provision for renewals.....	51,526.36
Provision for sinking fund.....	28,125.01
	<hr/> \$623,458.32
Balance.....	<hr/> \$ 40,899.90

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies, Obsolescence and Sinking Fund charged by the Commission to the Municipality which operates the rural line, for the year ended October 31, 1941

Operated by	Capital Cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
Brechin.....	\$ c. 922.02	\$ c. 48.22	\$ c. 18.44	\$ c. 9.22	\$ c. 16.60	\$ c. 92.48

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of this line, together with interest allowed thereon to October 31, 1941

	Period of years ended October 31, 1941	Amount
Brechin.....	23 years	\$ c. 568.72



## EASTERN ONTARIO

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alexandria . . . . .	52.00	52.00	73,599.69	215.6	1,334.35	2,313.13	3,156.03
Apple Hill . . . . .	44.00	44.00	11,335.52	44.4	274.79	640.87	486.56
Arnprior . . . . .	30.00	30.00	125,779.07	1,020.6	6,316.49	5,760.60	5,446.79
Athens . . . . .	45.00	45.00	34,456.25	115.5	714.83	982.97	1,490.44
Bath . . . . .	56.00	50.00	12,066.94	35.3	218.47	380.14	519.71
Belleville . . . . .	26.00	26.00	851,939.93	6,401.5	39,618.85	31,856.01	36,593.47
Bloomfield . . . . .	47.00	47.00	31,518.22	114.3	707.40	1,159.51	1,356.56
Bowmanville . . . . .	31.00	31.00	443,169.67	2,651.9	16,412.59	17,601.59	19,097.25
Brighton . . . . .	32.00	32.00	62,734.33	334.7	2,071.46	2,566.85	2,687.94
Brockville . . . . .	26.00	26.00	585,379.13	4,186.4	25,909.61	22,645.35	25,252.21
Cardinal . . . . .	30.00	30.00	39,700.73	274.0	1,695.78	1,720.65	1,701.67
Carleton Place . . . . .	28.00	28.00	257,714.77	1,735.1	10,738.52	8,901.10	10,687.96
Chesterville . . . . .	33.00	33.00	50,109.18	270.1	1,671.65	1,901.04	2,155.06
Cobden . . . . .	60.00	55.00	23,210.06	70.3	435.09	966.91	996.04
Cobourg . . . . .	31.00	31.00	361,735.49	2,207.1	13,659.73	14,537.10	15,628.55
Colborne . . . . .	33.00	33.50	41,736.73	205.0	1,268.74	1,286.82	1,807.89
Deseronto . . . . .	46.00	46.00	44,407.41	161.3	998.28	1,365.15	1,916.24
Finch . . . . .	42.00	42.00	23,948.85	98.4	609.00	855.18	1,030.62
Hastings . . . . .	42.00	42.00	24,141.47	102.9	636.85	1,010.12	1,035.83
Havelock . . . . .	46.50	46.50	42,328.81	139.6	863.98	1,350.96	1,828.32
Iroquois Village . . . . .	27.50	27.50	33,655.00	251.8	1,558.39	1,454.26	1,445.28
Kemptville . . . . .	35.00	35.00	71,674.24	355.6	2,200.81	2,761.39	3,081.51
Kingston . . . . .	28.00	28.00	1,623,008.67	11,138.2	68,934.26	57,540.83	69,870.25
Lakefield . . . . .	37.00	37.00	61,605.00	315.5	1,952.63	2,112.98	2,792.27
Lanark . . . . .	40.00	40.00	21,927.81	90.0	557.01	873.43	946.55
Lancaster . . . . .	55.00	55.00	17,297.03	48.1	297.69	519.19	746.69
Lindsay . . . . .	34.00	33.00	581,971.88	3,382.5	20,934.27	23,686.96	24,917.64
Madoc . . . . .	46.50	46.50	47,281.25	188.8	1,168.48	2,563.36	2,044.81
Marmora . . . . .	38.00	38.00	28,756.04	126.6	783.53	1,026.35	1,239.75
Martintown . . . . .	40.00	40.00	6,836.80	34.7	214.76	308.44	292.75
Maxville . . . . .	48.00	48.00	29,332.41	96.9	599.71	1,081.62	1,258.62
Millbrook . . . . .	42.00	42.00	18,666.73	85.0	526.06	660.28	804.28
Morrisburg . . . . .	32.50	32.50	36,200.36	205.0	1,268.74	1,514.75	1,560.71
Napanee . . . . .	30.00	30.00	193,250.21	1,219.4	7,546.86	8,164.81	8,322.20
Newcastle . . . . .	33.50	33.50	35,003.04	197.4	1,221.71	1,373.05	1,508.21

SYSTEM

E.O.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,257.06	506.64	862.40	762.94	12.54	10,205.09	11,210.32	1,005.23
183.93	98.60	177.60	117.66	2.58	1,982.59	1,953.23	(29.36)
1,609.13	1,827.02	4,082.40	1,325.79	59.38	26,427.60	30,616.75	4,189.15
581.50	257.17	462.00	360.32	6.72	4,855.95	5,197.91	341.96
191.55	80.76	141.20	126.47	2.05	1,660.35	1,796.31	135.96
7,959.19	10,892.74	25,606.00	8,836.27	372.48	161,735.01	166,437.69	4,702.68
468.22	245.94	457.20	329.47	6.65	4,730.95	5,372.12	641.17
5,097.36	4,854.70	10,607.60	4,608.32	154.30	78,433.71	82,210.19	3,776.48
773.36	653.89	1,338.80	650.08	19.47	10,761.85	10,709.60	(52.25)
7,806.45	7,552.33	16,745.60	6,073.22	243.59	112,228.36	108,845.60	(3,382.76)
538.69	509.00	1,096.00	412.11	15.94	7,689.84	8,220.00	530.16
3,372.30	3,142.86	6,940.40	2,589.16	100.96	46,473.26	48,581.95	2,108.69
746.65	531.36	1,080.40	519.77	15.72	8,621.65	8,913.88	292.23
401.77	168.33	281.20	244.50	4.09	3,497.93	3,931.76	433.83
4,123.24	4,055.02	8,828.40	3,772.65	128.42	64,733.11	68,420.37	3,687.26
543.74	417.58	820.00	435.05	11.93	6,591.75	6,848.67	256.92
659.37	373.82	645.20	464.22	9.39	6,431.67	7,419.79	988.12
385.89	207.81	393.60	249.31	5.73	3,737.14	4,134.20	397.06
336.77	214.53	411.60	251.98	5.99	3,903.67	4,319.70	416.03
648.41	314.97	558.40	442.70	8.12	6,015.86	6,491.80	475.94
437.03	454.59	1,007.20	348.17	14.65	6,719.57	6,924.95	205.38
1,102.13	709.97	1,422.40	747.02	20.69	12,045.92	12,444.56	398.64
16,665.65	19,300.58	44,552.80	16,857.80	648.09	294,370.26	311,869.54	17,499.28
845.07	600.20	1,262.00	673.90	18.36	10,257.41	11,673.75	1,416.34
354.79	191.42	360.00	229.00	5.24	3,517.44	3,601.65	84.21
300.85	116.23	192.40	180.95	2.80	2,356.80	2,643.24	286.44
6,784.04	6,208.55	13,530.00	6,026.57	196.81	102,284.84	112,184.78	9,899.94
677.83	405.11	755.20	493.90	10.99	8,119.68	8,776.89	657.21
395.56	270.11	506.40	300.14	7.37	4,529.21	4,810.78	281.57
104.21	69.75	138.80	71.14	2.02	1,201.87	1,386.67	184.80
492.55	221.42	387.60	304.76	5.64	4,351.92	4,650.40	298.48
252.67	175.31	340.00	194.72	4.95	2,958.27	3,569.65	611.38
532.98	412.16	820.00	376.74	11.93	6,498.01	6,662.82	164.81
2,135.46	2,219.52	4,877.60	2,009.27	70.95	35,346.67	36,583.25	1,236.58
419.73	372.31	789.60	364.25	11.49	6,060.35	6,614.30	553.95

## EASTERN ONTARIO

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Norwood.....	35.50	35.50	25,463.10	137.0	847.89	1,235.64	1,094.07
Omeme.....	35.00	35.00	40,366.51	199.5	1,234.70	2,027.06	1,638.34
Orono.....	40.00	40.00	19,575.64	88.6	548.34	668.70	843.90
Oshawa.....	30.50	30.50	2,915,084.54	17,591.9	108,876.17	107,475.21	125,592.57
Ottawa.....			964.69	19,770.3	217,473.66	136.34	42.20
Ottawa.....	20.50	20.50	1,204,712.65	12,934.2	80,049.69	57,976.10	51,861.94
Perth.....	28.00	28.00	226,028.18	1,605.5	9,936.43	8,261.01	9,683.98
Peterborough...	26.00	26.00	1,581,919.44	11,387.3	70,475.94	56,579.09	68,102.37
Pictou.....	39.50	39.50	248,522.66	1,093.7	6,768.90	7,980.52	10,688.79
Port Hope.....	32.50	31.00	359,445.33	2,233.5	13,823.12	16,698.06	15,353.22
Prescott.....	26.50	26.50	155,521.97	1,092.1	6,759.00	6,036.67	6,710.06
Richmond.....	50.00	50.00	19,178.93	66.2	409.71	590.26	821.56
Russell.....	46.00	46.00	20,439.94	68.8	425.80	671.75	885.56
Smiths Falls...	25.00	25.00	307,530.10	2,482.9	15,366.65	12,771.20	13,205.66
Stirling.....	27.00	27.00	38,428.60	280.8	1,737.87	1,618.69	1,658.81
Trenton.....	24.00	24.00	552,544.29	4,342.8	26,877.56	19,827.51	23,783.46
Tweed.....	50.00	45.00	67,189.42	254.6	1,575.72	3,310.60	2,818.48
Warkworth.....	40.00	40.00	17,745.44	78.7	487.07	556.14	759.42
Wellington.....	38.00	38.00	40,827.25	185.4	1,147.44	1,569.77	1,759.63
Westport.....	55.00	55.00	38,081.04	98.9	612.09	875.31	1,649.89
Whitby.....	30.50	30.50	219,862.48	1,323.5	8,191.13	7,960.00	9,468.95
Williamsburgh..	30.00	30.00	19,364.09	119.1	737.11	736.80	836.06
Winchester.....	31.00	31.00	51,906.36	314.0	1,943.34	2,043.87	2,221.69
Totals—Municipalities.....			14,118,181.37	115,868.8	812,226.70	543,050.05	607,187.27
Totals—Rural power districts....			2,095,271.21	12,696.6	95,338.08	73,971.83	90,127.61
Totals—Companies.....			4,690,000.48	30,151.1	203,450.64	137,694.68	197,942.51
Totals—Local distribution systems.....			98,831.79	464.9	2,877.26	8,087.59	4,308.37
Non-operating capital.....			21,002,284.85				
			2,471,356.39				
Grand totals.....			23,473,641.24	159,181.4	1,113,892.68	762,804.15	899,565.76



## SYSTEM

## E.O.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
314.79	268.91	548.00	265.16	7.97	4,582.43	4,864.98	282.55
477.76	387.28	798.00	396.32	11.61	6,971.07	6,982.51	11.44
265.70	176.78	354.40	204.18	5.16	3,067.16	3,545.66	478.50
33,319.03	31,869.64	70,367.60	30,309.45	1,023.59	508,833.26	536,554.22	27,720.96
19.30	4.82	.....	10.16	.....	217,686.48	217,686.48	.....
12,174.43	21,196.70	51,736.80	12,426.68	752.58	288,174.92	265,150.90	(23,024.02)
3,026.34	2,920.13	6,422.00	2,346.23	93.42	42,689.54	44,953.55	2,264.01
15,473.79	19,521.34	45,549.20	16,411.06	662.58	292,775.37	296,068.72	3,293.35
3,417.92	2,168.99	4,374.80	2,593.27	63.64	38,056.83	43,202.81	5,145.98
3,996.35	4,054.86	8,934.00	3,725.00	129.96	66,714.57	69,782.55	3,067.98
2,092.77	1,995.22	4,368.40	1,613.96	63.54	29,639.62	28,939.98	(699.64)
322.57	144.78	264.80	200.63	3.85	2,758.16	3,310.42	552.26
343.72	154.54	275.20	213.23	4.00	2,973.80	3,164.02	190.22
3,837.00	4,395.06	9,931.60	3,184.48	144.47	62,836.12	62,072.29	(763.83)
372.94	481.52	1,123.20	400.14	16.34	7,409.51	7,582.09	172.58
4,890.89	7,302.39	17,371.20	5,726.75	252.69	106,032.45	104,227.68	(1,804.77)
955.45	530.69	1,018.40	687.81	14.81	10,911.96	11,728.93	816.97
243.29	159.70	314.80	185.20	4.58	2,710.20	3,148.68	438.48
553.53	373.17	741.60	425.98	10.79	6,581.91	7,045.83	463.92
669.47	253.32	395.60	398.85	5.75	4,860.28	5,441.80	581.52
2,517.72	2,370.66	5,294.00	2,286.09	77.01	38,165.56	40,366.20	2,200.64
276.29	231.13	476.40	201.32	6.93	3,502.04	3,574.00	71.96
738.89	600.31	1,256.00	536.27	18.27	9,358.64	9,732.47	373.83
159,485.07	170,194.24	384,394.00	146,498.54	5,591.57	2,828,627.44	2,905,155.84	106,285.03 (29,756.63)
26,841.52	23,600.37	50,786.40	21,698.86	738.77	383,103.44	383,103.44	.....
53,287.42	155,256.80	.....	46,671.22	(12,026.97)	782,276.30	782,276.30	.....
1,453.93	837.71	.....	1,037.27	5,696.63	24,298.76	24,298.76	.....
241,067.94	349,889.12	435,180.40	215,905.89	.....	4,018,305.94	4,094,834.34	106,285.03 (29,756.63)

## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Alexandria .....	Jan. 1921	790.14	
Apple Hill .....	April 1921	112.72	
Arnprior .....	Jan. 1939	3,510.76	
Athens .....	Jan. 1929	349.67	
Bath .....	Nov. 1931	337.10	
Belleville .....	April 1929	6,336.76	
Bloomfield .....	April 1919	664.83	
Bowmanville .....	Oct. 1931	2,608.26	
Brighton .....	Nov. 1929	722.76	
Brockville .....	April 1915		1,540.97
Cardinal .....	July 1930	596.01	
Carleton Place .....	May 1919	3,323.20	
Chesterville .....	April 1914	224.87	
Cobden .....	Nov. 1925	897.20	
Cobourg .....	Jan. 1932	2,586.81	
Colbourne .....	Jan. 1933		53.47
Deseronto .....	Jan. 1931	696.29	
Finch .....	Feb. 1928	293.53	
Hastings .....	June 1931	519.71	
Havelock .....	Feb. 1921	552.07	
Iroquois Village .....	Feb. 1940	39.77	
Kemptville .....	Dec. 1921	1,233.59	
Kingston .....	Nov. 1937	7,808.96	
Lakefield .....	Aug. 1920	425.46	
Lanark .....	Sept. 1921	235.50	
Lancaster .....	May 1921	286.65	
Lindsay .....	Mar. 1928	6,763.76	
Madoc .....	Jan. 1930	407.64	
Marmora .....	Jan. 1921	352.46	
Martintown .....	May 1921	158.14	
Maxville .....	Feb. 1921	368.70	
Millbrook .....	Dec. 1938	282.30	
Morrisburg .....	June 1938	188.42	
Napanee .....	Nov. 1929	1,355.24	
Newcastle .....	Jan. 1937	229.60	

SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	790.14	1,005.23		1,005.23	
	112.72		29.36		29.36
	3,510.76	4,189.15		4,189.15	
	349.67	341.96		341.96	
	337.10	135.96		135.96	
	6,336.76	4,702.68		4,702.68	
	664.83	641.17		641.17	
	2,608.26	3,776.48		3,776.48	
	722.76		52.25		52.25
1,540.97			3,382.76		3,382.76
	596.01	530.16		530.16	
	3,323.20	2,108.69		2,108.69	
	224.87	292.23		292.23	
	897.20	433.83		433.83	
	2,586.81	3,687.26		3,687.26	
53.47		256.92		256.92	
	696.29	988.12		988.12	
	293.53	397.06		397.06	
	519.71	416.03		416.03	
	552.07	475.94		475.94	
	39.77	205.38		205.38	
	1,233.59	398.64		398.64	
	7,808.96	17,499.28		17,499.28	
	425.46	1,416.34		1,416.34	
	235.50	84.21		84.21	
	286.65	286.44		286.44	
	6,763.76	9,899.94		9,899.94	
	407.64	657.21		657.21	
	352.46	281.57		281.57	
	158.14	184.80		184.80	
	368.70	298.48		298.48	
	282.30	611.38		611.38	
	188.42	164.81		164.81	
	1,355.24	1,236.58		1,236.58	
	229.60	553.95		553.95	



## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Norwood.....	Feb. 1921	458.50	.....
Omemece.....	Jan. 1940	356.44	.....
Orono.....	Nov. 1938	261.62	.....
Oshawa.....	Feb. 1929	17,763.65	.....
Ottawa.....	Jan. 1914	.....	13,992.46
Perth.....	Feb. 1919	2,794.65	.....
Peterborough.....	Mar. 1913	3,654.75	.....
Pictou.....	April 1919	4,713.95	.....
Port Hope.....	Nov. 1929	5,916.28	.....
Prescott.....	Dec. 1913	.....	251.02
Richmond.....	Aug. 1928	554.75	.....
Russell.....	Feb. 1926	4.90	.....
Smiths Falls.....	Sept. 1918	1,287.80	.....
Stirling.....	Jan. 1930	169.25	.....
Trenton.....	Sept. 1931	151.32	.....
Tweed.....	Dec. 1930	2,129.67	.....
Warkworth.....	Oct. 1923	470.07	.....
Wellington.....	April 1919	561.69	.....
Westport.....	Nov. 1931	419.58	.....
Whitby.....	Jan. 1926	1,643.48	.....
Williamsburgh.....	April 1915	6.62	.....
Winchester.....	Jan. 1914	301.25	.....
Totals—Municipalities.....		88,879.10	15,837.92
Totals—Rural power districts.....		282,541.70	186,963.37
Grand totals.....		371,420.80	202,801.29

SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	458.50	282.55	.....	282.55	.....
.....	356.44	11.44	.....	11.44	.....
.....	261.62	478.50	.....	478.50	.....
.....	17,763.65	27,720.96	.....	27,720.96	.....
13,992.46	.....	.....	23,024.02	.....	23,024.02
.....	2,794.65	2,264.01	.....	2,264.01	.....
.....	3,654.75	3,293.35	.....	3,293.35	.....
.....	4,713.95	5,145.98	.....	5,145.98	.....
.....	5,916.28	3,067.98	.....	3,067.98	.....
251.02	.....	.....	699.64	.....	699.64
.....	554.75	552.26	.....	552.26	.....
.....	4.90	190.22	.....	190.22	.....
.....	1,287.80	.....	763.83	.....	763.63
.....	169.25	172.58	.....	172.58	.....
.....	151.32	.....	1,804.77	.....	1,804.77
.....	2,129.67	816.97	.....	816.97	.....
.....	470.07	438.48	.....	438.48	.....
.....	561.69	463.92	.....	463.92	.....
.....	419.58	581.52	.....	581.52	.....
.....	1,643.48	2,200.64	.....	2,200.64	.....
.....	6.62	71.96	.....	71.96	.....
.....	301.25	373.83	.....	373.83	.....
15,837.92	88,879.10	106,285.03	29,756.63	106,285.03	29,756.63
11,338.96	8,068.57	73,469.86	52,188.17	353,919.37	233,788.96
27,176.88	96,947.67	179,754.89	81,944.80	460,204.40	263,545.59

## E.O.—SINKING FUND

## EASTERN ONTARIO SYSTEM

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Alexandria.....	17 years	32,663.01	Maxville.....	17 years	10,301.76
Apple Hill.....	17 "	3,579.08	Millbrook.....	3 "	703.84
Arnprior.....	3 "	5,467.03	Morrisburg.....	4 "	1,634.30
Athens.....	13 "	6,823.69	Napanee.....	12 "	45,073.83
Bath.....	10 "	2,267.80	Newcastle.....	5 "	1,997.77
Belleville.....	13 "	186,664.21	Norwood.....	13 "	6,475.64
Bloomfield.....	13 "	6,762.64	Omeme.....	2 "	878.83
Bowmanville.....	10 "	66,290.84	Orono.....	3 "	784.98
Brighton.....	12 "	12,376.19	Oshawa.....	13 "	574,023.06
Brockville.....	21 "	185,694.71	Ottawa.....	26 "	204,291.77
Cardinal.....	12 "	6,154.50	Perth.....	17 "	74,690.36
Carleton Place.....	17 "	84,918.01	Peterborough.....	13 "	336,149.35
Chesterville.....	22 "	28,923.45	Pictou.....	13 "	57,397.52
Cobden.....	6 "	1,539.65	Port Hope.....	12 "	62,062.92
Cobourg.....	10 "	50,153.20	Prescott.....	22 "	52,284.13
Colbourne.....	9 "	4,501.61	Richmond.....	14 "	3,190.85
Deseronto.....	11 "	7,736.80	Russell.....	16 "	6,028.37
Finch.....	14 "	4,762.44	Smiths Falls.....	18 "	108,490.61
Hastings.....	11 "	4,051.44	Stirling.....	12 "	9,453.44
Havelock.....	13 "	13,027.82	Trenton.....	10 "	85,692.91
Iroquois Village.....	2 "	813.57	Tweed.....	11 "	10,517.92
Kemptville.....	17 "	22,212.80	Warkworth.....	13 "	4,207.98
Kingston.....	4 "	86,021.34	Wellington.....	13 "	10,815.01
Lakefield.....	13 "	14,189.55	Westport.....	10 "	5,292.95
Lanark.....	17 "	6,691.96	Whitby.....	13 "	54,772.68
Lancaster.....	17 "	6,600.36	Williamsburgh.....	21 "	6,763.47
Lindsay.....	13 "	103,938.58	Winchester.....	22 "	21,055.20
Madoc.....	12 "	8,559.45			
Marmora.....	13 "	6,107.44	Total—Municipalities.....		\$2,726,778.32
Martintown.....	17 "	2,253.70	Total—Rural power districts..		631,580.07
			Grand total.....		\$3,358,358.39



E.O.—RURAL OPERATING

EASTERN ONTARIO SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1941

Revenue from customers in rural power districts . . . . .	\$999,607.51
Cost of power provided to be paid under Power Commission Act . . . . .	\$383,103.44
Cost of operation, maintenance and administration . . . . .	283,609.75
Interest . . . . .	184,089.89
Provision for renewals . . . . .	83,201.84
Provision for sinking fund . . . . .	44,320.90
	<hr/>
	978,325.82
Balance . . . . .	<hr/>
	\$21,281.69

## THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1941			Operating, maintenance and administrative expense	Interest	Provision for renewals
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Fort William.....	21.00	2,858,986.78	13,644.3	45,344.16	138,327.80	25,396.61
Nipigon Township....	28.00	34,697.23	187.2	1,649.91	1,664.89	285.13
Port Arthur.....	21.00	8,475,771.94	41,091.8	130,623.28	410,332.90	74,617.88
Totals—Municipalities.....		11,369,455.95	54,923.3	177,617.35	550,325.59	100,299.62
Totals—Rural power districts.....		144,737.49	570.8	2,230.55	7,010.39	1,441.32
Totals—Companies.....		5,092,715.59	25,189.9	75,209.32	246,928.90	42,098.88
Totals—Mining area—Mines.....		2,921,373.40	12,256.6	54,317.74	141,644.21	15,359.96
Totals—Mining area—Townsites...		282,039.10	717.9	16,188.43	13,524.90	899.67
		19,810,321.53				
Non-operating capital.....		6,802.35				
Grand totals.....		19,817,123.88	93,658.5	325,563.39	959,433.99	160,099.45

## THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of adjustments made and interest added during the year; also the net amount in the year ended October 31, 1941, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Fort William.....	Oct. 1926	.....	901.01
Township of Nipigon.....	Jan. 1925	696.47	.....
Port Arthur.....	Dec. 1910	10,679.64	.....
Total—Municipalities.....		11,376.11	901.01
Total—Rural power districts.....		.....	11,043.54
		11,376.11	11,944.55

SYSTEM

T.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited to each municipality
Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,743.39	20,466.45	30,037.28	5,846.43	285,162.12	286,529.97	1,367.85
249.78	280.80	364.25	80.21	4,574.97	5,241.31	666.34
58,837.52	61,637.70	89,150.51	17,607.39	842,807.18	862,928.00	20,120.82
78,830.69	82,384.95	119,552.04	23,534.03	1,132,544.27	1,154,699.28	22,155.01
952.24	856.20	1,522.45	244.58	14,257.73	14,257.73	.....
46,578.78	.....	52,143.31	(23,778.61)	439,180.58	439,180.58	.....
92,315.62	95,651.32	21,413.24	.....	420,702.09	420,702.09	.....
15,466.74	1,161.50	1,254.22	.....	48,495.46	48,495.46	.....
234,144.07	180,053.97	195,885.26	.....	2,055,180.13	2,077,335.14	22,155.01

SYSTEM

T.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon, Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
901.01	.....	1,367.85	.....	1,367.85	.....
.....	696.47	666.34	.....	666.34	.....
.....	10,679.64	20,120.82	.....	20,120.82	.....
901.01	11,376.11	22,155.01	.....	22,155.01	.....
.....	441.74	1,529.30	517.49	.....	10,473.47
901.01	11,817.85	23,684.31	517.49	22,155.01	10,473.47



*T.B.—SINKING FUND***THUNDER BAY SYSTEM**

**Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941**

Municipality	Period of years ended October 31, 1941	Amount
		\$ c.
Fort William.....	15 years	704,110.08
Township of Nipigon.....	15 "	6,082.66
Port Arthur.....	15 "	2,302,151.73
Total—Municipalities.....		3,012,344.47
Total—Rural power districts.....		21,379.47
Grand totals.....		3,033,723.94

*T.B.—RURAL OPERATING***THUNDER BAY SYSTEM****Rural Power Districts****Operating Account for Year Ended October 31, 1941**

Revenue from customers in rural power districts.....	\$43,668.89
Cost of power as provided to be paid under Power Commission Act....	\$14,257.73
Cost of operation, maintenance and administration.....	10,134.80
Interest.....	11,207.65
Provision for renewals.....	4,622.93
Provision for sinking fund.....	2,433.97
	<hr/> 42,657.08
Balance.....	<hr/> \$1,011.81

**NORTHERN ONTARIO PROPERTIES**

(Operated by The Hydro-Electric Power Commission of Ontario)

**FINANCIAL ACCOUNTS**

For the Year ended October 31, 1941

Relating to Power Properties which are held and operated by the  
Commission in trust for the Province of Ontario, and which  
are situated in the following Northern Districts:

Nipissing

Sudbury

Abitibi

Patricia

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**STATEMENTS**

Balance Sheet as at October 31, 1941

Operating Account for the Year ended October 31, 1941

Schedules supporting the Balance Sheet as at October 31, 1941

Fixed Assets—By Districts

Renewals Reserve

Contingencies and Obsolescence Reserve

Sinking Fund Reserve

## NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

BALANCE SHEET AS AT

## ASSETS

## FIXED ASSETS:

Nipissing district.....	\$1,365,874.32	
Sudbury district.....	4,412,490.91	
Abitibi district.....	29,234,420.07	
Patricia district.....	4,422,584.04	
Rural power districts.....	793,642.40	
	<hr/>	
	\$40,229,011.74	
Less: Grants-in-aid of construction:		
Province of Ontario—for rural power districts.....	388,353.15	
	<hr/>	\$39,840,658.59

## CURRENT ASSETS:

Employees' working funds.....	\$4,405.00	
The Hydro-Electric Power Commission of Ontario—Current account.....	1,989,947.95	
Sundry accounts receivable.....	407,817.46	
Power accounts receivable.....	528,013.78	
Interest accrued.....	15,234.38	
Consumers' deposits—securities:		
Bonds at par value.....	\$785,500.00	
Stocks at market value.....	207,500.00	
	<hr/>	
	993,000.00	
Prepayments.....	25,110.95	
	<hr/>	3,963,529.52

## INVENTORIES:

Maintenance materials and supplies.....	\$117,568.10	
Maintenance tools and equipment.....	83,640.77	
	<hr/>	201,208.87

## DEFERRED ASSETS:

Work in progress—deferred work orders.....	5,625.49	
UNAMORTIZED DISCOUNT ON DEBENTURES.....	275,089.67	
SINKING FUND INVESTMENTS.....	1,615,040.77	
	<hr/>	\$45,901,152.91
	<hr/>	



## PROPERTIES

Commission of Ontario in Trust for the Province of Ontario

OCTOBER 31, 1941

### LIABILITIES AND RESERVES

#### LONG TERM LIABILITIES:

Funded debt in the hands of the public.....	\$26,760,000.00	
Advances from the Province of Ontario for capital purposes	6,041,572.70	
		<u>\$32,801,572.70</u>

#### CURRENT LIABILITIES:

Power accounts—credit balances.....	\$1,754.66	
Consumers' deposits.....	1,006,832.25	
Debenture interest accrued.....	97,574.99	
Miscellaneous accruals.....	2,749.46	
		<u>1,108,911.36</u>

#### RESERVES:

Renewals.....	\$2,702,399.91	
Contingencies and obsolescence.....	1,839,664.08	
Miscellaneous.....	279,252.61	
		<u>4,821,316.60</u>

#### SINKING FUND RESERVES:

Represented by:

Funded debt retired through sinking funds.....	\$2,000,000.00	
Provincial advances retired through sinking funds.....	2,215,538.77	
Available balance.....	2,856,669.69	
		<u>7,072,208.46</u>
		97,143.79

SURPLUS.....		<u>\$45,901,152.91</u>
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### Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1941, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1941, according to the best of our information and the explanations given to us and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,

Chartered Accountants,

Auditors.

Dated at Toronto, Ontario  
31st March, 1942.

**NORTHERN ONTARIO**

**EMBRACING THE NIPISSING, SUDBURY,  
NORTHERN RURAL  
Held and Operated by The Hydro-Electric  
In Trust for the**

**Operating Account for the****COST OF OPERATION**

Power purchased.....	\$ 16,643.89
Operating, maintenance and administrative expenses.....	974,958.87
Interest.....	1,499,250.27
Provision for renewals.....	331,141.48
Provision for contingencies and obsolescence.....	345,498.96
Provision for sinking fund.....	1,113,782.83
Total cost.....	<u>\$4,281,276.30</u>
Net income for year.....	<u>1,049,716.12</u>
	<u><u>\$5,330,992.42</u></u>

## PROPERTIES

**ABITIBI, PATRICIA DISTRICTS AND  
POWER DISTRICTS**  
Power Commission of Ontario  
Province of Ontario

**Year Ended October 31, 1941**

## REVENUE

Power sold to private companies and customers.....	\$5,330,992.42
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\$5,330,992.42

### Surplus Account—as at October 31, 1941

Balance at credit November 1, 1940.....		\$ 607,672.49
Net income for the year ended October 31, 1941.....		1,049,716.12
Transferred to reserves—net.....	\$1,060,244.82	
Payment to Province of Ontario.....	500,000.00	
Balance at credit October 31, 1941.....	97,143.79	
	<u>\$1,657,388.61</u>	<u>\$1,657,388.61</u>



## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

Fixed Assets—October 31, 1941

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIPISSING:					
Power Plants:					
South river:					
Nipissing .....			11,089.60	240,456.47	251,546.07
Bingham Chute .....	33.50		12,130.05	234,977.37	247,107.42
Elliot Chute .....			119,307.09	335,493.82	454,800.91
Storage Dams .....				76,122.70	76,122.70
Miscellaneous .....				386.14	386.14
Intangible .....			69,478.34		69,478.34
	33.50		212,005.08	887,436.50	1,099,441.58
Transformer Stations .....	5,105.13	1,397.26		21,157.31	22,554.57
Transmission Lines .....	3,885.80	3,092.18		204,594.08	207,686.26
Local Systems .....	151.56		2,219.65	33,972.26	36,191.91
	8,872.87	4,489.44	214,224.73	1,147,160.15	1,365,874.32
SUDBURY:					
Power Plants:					
Wanapitei river:					
Coniston .....	3,505.09		13,456.54	733,594.85	747,051.39
McVitties .....	1,414.11	410.33	13,323.00	389,439.73	403,173.06
Stinson .....	9,700.62	10,444.79	33,000.00	641,886.51	685,331.30
Storage Dam .....			25.00	194,870.00	194,895.00
Intangible .....			830,514.53		830,514.53
Sturgeon river:					
Crystal Falls and Storage Dams ..	23,049.33	21,094.92	44,572.52	848,004.34	913,671.78
	37,669.15	31,950.04	934,891.59	2,807,795.43	3,774,637.06
Transformer Stations .....	46,818.33			177,287.58	177,287.58
Transmission Lines .....	8,837.24	1,225.55		459,340.72	460,566.27
	93,324.72	33,175.59	934,891.59	3,444,423.73	4,412,490.91
ABITIBI:					
Power Plants:					
Abitibi river:					
Abitibi Canyon .....	121,103.65		5,559,386.73	13,936,500.92	19,495,887.65
Frederick House Dam .....	49,960.02	12,519.94	310,435.95	680,976.03	1,003,931.92
Dasserat Lake Diversion .....	5,608.30	5,608.30			5,608.30
	165,455.37	18,128.24	5,869,822.68	14,617,476.95	20,505,427.87
Transformer Stations .....	121,577.46	25,475.25	215,856.69	1,933,235.95	2,174,567.89
Transmission Lines .....	341,473.00	1,236.13	829,578.90	5,636,527.08	6,467,342.11
Local Systems .....	4,123.49			87,082.20	87,082.20
	301,718.58	44,839.62	6,915,258.27	22,274,322.18	29,234,420.07

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

## Fixed Assets—October 31, 1941

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
PATRICIA:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
English river:					
Ear Falls.....	4,880.00	8.49		1 815,956.04	1,815,964.53
Albany river:					
Rat Rapids.....	8,245.86	8,245.86	39,297.44	554,807.60	602,350.90
	13,125.86	8,254.35	39,297.44	2,370,763.64	2,418,315.43
Transformer Stations.....	7,476.88	7.79		162,492.89	162,500.68
Transmission Lines.....	9,187.41	281.48		1,795,986.27	1,796,267.75
Local Systems.....	7,169.76	246.96		45,253.22	45,500.18
	36,959.91	8,790.58	39,297.44	4,374,496.02	4,422,584.04
NORTHERN ONTARIO PROPERTIES— RURAL POWER DISTRICTS:					
Transformer Stations.....	4,830.26			11,174.78	11,174.78
H-E.P.C. investments.....	95,015.82	169.54		393,944.93	394,114.47
Government grants.....	91,383.41	169.55		388,183.60	388,353.15
	191,229.49	339.09		793,303.31	793,642.40

## SUMMARY

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipissing district.....	8,872.87	4,489.44	214,224.73	1,147,160.15	1,365,874.32
Sudbury district.....	93,324.72	33,175.59	934,891.59	3,444,423.73	4,412,490.91
Abitibi district.....	301,718.58	44,839.62	6,915,258.27	22,274,322.18	29,234,420.07
Patricia district.....	36,959.91	8,790.58	39,297.44	4,374,496.02	4,422,584.04
Rural power districts.....	191,229.49	339.09	.....	793,303.31	793,642.40
	614,359.83	91,634.32	8,103,672.03	32,033,705.39	40,229,011.74
Less Grants in aid of construction: Province of Ontario for rural power districts.....	91,383.41	169.55	.....	388,183.60	388,353.15
	522,976.42	91,464.77	8,103,672.03	31,645,521.79	39,840,658.59

### NORTHERN ONTARIO PROPERTIES

Embracing the Nipissing, Sudbury, Abitibi, Patricia and Rural Power Districts

Held and Operated by The Hydro-Electric Power Commission of Ontario  
In Trust for the Province of Ontario

#### Renewals Reserve—October 31, 1941

Balance at November 1, 1940.....	\$2,346,438.19	
Transferred to contingencies reserve.....	\$(47,634.54)	
Provision in the year.....	331,141.48	
Interest at 4% on reserve balance.....	93,857.52	
Adjustments re transfer of equipment.....	(9,331.18)	
	<u>368,033.28</u>	
	\$2,714,471.47	
Expenditures in the year.....	<u>12,071.56</u>	
Balance at October 31, 1941.....		\$2,702,399.91

#### Contingencies and Obsolescence Reserve—October 31, 1941

Balance at November 1, 1940.....	\$792,283.48	
Additional provisions plus improvements to October 31, 1940.....	699,175.12	
	<u>\$1,491,458.60</u>	
Transferred from renewals reserve.....	\$ 47,634.54	
Provision in the year.....	345,498.96	
Interest at 4% on reserve balance.....	59,658.34	
	<u>452,791.84</u>	
	\$1,944,250.44	
Contingencies met with during the year.....	<u>104,586.36</u>	
Balance at October 31, 1941.....		\$1,839,664.08

#### Sinking Fund Reserve—October 31, 1941

Balance at November 1, 1940.....	\$5,353,517.87	
Additional provisions plus improvements to October 31, 1940.....	375,737.55	
	<u>\$5,729,255.42</u>	
Provision in the year.....	\$1,113,782.83	
Interest at 4% on reserve balance.....	229,170.21	
	<u>1,342,953.04</u>	
Balance at October 31, 1941.....		<u>\$7,072,208.46</u>



**THE HAMILTON STREET RAILWAY COMPANY**

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System)

**FINANCIAL ACCOUNTS**

**For the Year ended October 31, 1941**

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**Balance Sheet as at October 31, 1941**

**Operating and Income Accounts for the Year ended October 31, 1941**

## THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

BALANCE SHEET AS AT

## ASSETS

## FIXED ASSETS:

Properties, road and equipment, buses, franchise, etc..... \$4,183,422.77

## CURRENT ASSETS:

Cash in bank.....	\$145,647.30	
Conductors' and employees' advances.....	12,500.00	
The Hydro-Electric Power Commission of Ontario—		
Current Account.....	303,309.89	
Accounts receivable.....	3,040.74	
Prepayments.....	5,488.29	
		469,986.22

MATERIALS AND SUPPLIES..... 47,719.08

RESERVE FUNDS—INVESTMENTS..... 268,405.00

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\$4,969,533.07

RAILWAY COMPANY

Commission of Ontario—Niagara System)

OCTOBER 31, 1941

LIABILITIES

CAPITAL STOCK:

Authorized—80,000 shares at a par value of \$50 each . . . . .	\$4,000,000.00	
Issued —64,100 shares at a par value of \$50 each . . . . .		\$3,205,000.00

CURRENT LIABILITIES:

Rentals accrued . . . . .	1,200.00
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RESERVES:

Depreciation—road and equipment . . . . .	1,591,159.42	
Insurance . . . . .	95,736.32	
Miscellaneous . . . . .	52,110.88	
		1,739,006.62

SURPLUS . . . . .	24,326.45
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\$4,969,533.07

Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1941, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1941, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

Dated at Toronto, Ontario,  
31st March, 1942.

OSCAR HUDSON AND Co.,  
Chartered Accountants,  
Auditors.



## THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)  
Operating Statement for the Year Ended October 31, 1941

## REVENUES:

Transportation.....	\$1,436,546.33
Other operations.....	12,866.56
	<u>\$1,449,412.89</u>

## EXPENSES:

Maintenance of way and structures.....	\$ 66,269.59
Maintenance of equipment.....	115,251.24
Electric power and motor fuel.....	144,969.10
Transportation expenses.....	364,941.23
General and miscellaneous expenses.....	112,325.99
Depreciation provision.....	172,481.77
Taxes (municipal and franchise).....	80,791.27
	<u>\$1,057,030.19</u>

NET REVENUE FOR YEAR.....	<u>\$ 392,382.70</u>
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## Surplus Account—as at October 31, 1941

Balance at credit October 31, 1940.....	\$ 9,171.41
Net revenue for year ended October 31, 1941.....	392,382.70
Income from investments—reserve funds.....	12,779.69

## Appropriated as follows:

Renewals reserve.....	\$10,417.73	
Insurance reserve.....	2,361.96	
	<u>          </u>	\$ 12,779.69
Transferred to renewals reserve.....		200,000.00
Dividend—To cover fixed charges on the Commission's investment.....		177,227.66
Balance at credit October 31, 1941.....		24,326.45
		<u>          </u>
	<u>\$ 414,333.80</u>	<u>\$ 414,333.80</u>

## SECTION X

### MUNICIPAL ACCOUNTS

and

#### Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1941 this standard method of accounting was installed in Smithville.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16

in 1913 to \$101,088,593.29 in 1941, and the total assets from \$11,907,826.86 to \$176,763,091.18. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$24,183,437.96 in 1941. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 14.6 per cent in 1941. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$2,499,774.75 for 1941. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

**Statement "A"** presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc. The total thus returned to customers during the year 1941 amounted in round figures to \$311,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.\*

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\*In 1939 and 1940 a number of municipalities asked permission to take power cost adjustments into the following year, to facilitate the earlier closing of their books. This led to a lack of uniformity in operating statements, and in 1941 it was decided to put all municipalities' accounts on the same basis. On this account the 1941 Balance Sheet shows 1940 Equity in Hydro Commission properties and the Cost of Power in the Operating Statement includes 1940 adjustments.



The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 29.6 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$96,529,043.14, approximately 95.5 per cent of the total plant cost.

**Statement "B"** shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "purchased power" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.\*

Of the 296 municipal electrical utilities included in this statement, 248 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$2,576,691.38 for the year; 39 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$67,136.58, in the case of 9 utilities the revenue was less than the total operating expenses, interest and debt requirement instalments by \$3,315.05.

**Statement "C"** shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1941, and the cost per capita in each municipality.

**Statement "D"** presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.† For further reference to this informative statement, consult the special introduction to it on page 318.

**Statement "E"** presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1941, for domestic service, for commercial light service and for power service.

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\*See footnote on previous page.

†The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

## CONSOLIDATED

YEAR .....	1913	1914	1915
Number of municipalities included .....	45	69	99
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings .....	626,707.34	791,732.20	873,838.18
Substation equipment .....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead ..	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground .....	644,514.24	807,153.53	928,420.77
Line transformers .....	615,546.20	787,613.52	981,754.70
Meters .....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular .....	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental ..	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses .....	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant .....	1,401,175.28	420,108.33	461,651.60
Old plant .....	341,277.00	619,513.12	1,184,372.86
Total plant .....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance .....	450,887.97	422,350.12	284,653.96
Securities and investments .....			
Accounts receivable .....	344,487.95	561,873.08	602,920.69
Inventories .....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures .....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems .....			
Other assets .....	58,959.93	123,410.97	326,801.11
Total assets .....	11,907,826.86	15,249,203.36	17,683,264.07
<b>LIABILITIES</b>			
Debenture balance .....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable .....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft .....	160,919.16	228,622.50	292,106.44
Other liabilities .....	42,412.81	113,838.66	37,388.31
Total liabilities .....	10,468,351.79	12,702,689.81	14,201,343.79
<b>RESERVES</b>			
For equity in H-E.P.C. systems .....			
For depreciation .....	478,145.88	850,618.07	1,337,739.73
Other reserves .....			
Total reserves .....	478,145.88	850,618.07	1,337,739.73
<b>SURPLUS</b>			
Debentures paid .....	202,751.26	320,129.10	394,466.22
Local sinking fund .....	431,747.27	625,217.03	868,983.78
Operating surplus .....	326,830.66	750,549.35	880,730.55
Total surplus .....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus ..	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets ..	88.0	88.3	80.3

NOTE—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

# BALANCE SHEET

1916	1917	1918	1919	1920	1921
128	143	166	191	195	215
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24	3,230,985.63
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80	5,403,689.90
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49	8,397,361.48
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29	1,401,135.97
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59	3,077,649.83
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20	3,552,076.79
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98	1,335,997.13
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13	610,586.70
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12	3,030,134.16
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47	704,848.46
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39	912,388.55
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70	31,656,854.60
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12	900,842.34
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88	477,678.69
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88	2,155,788.62
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89	1,504,596.28
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34	2,541,718.35
			369,071.89	577,584.06	795,570.51
			86,216.05	25,447.07	78,929.84
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04	21,619,220.99
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54	1,887,567.93
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99	989,099.98
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65	938,368.84
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22	25,434,257.74
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06	800,249.05
			3,750,162.28	4,788,645.03	5,491,858.93
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09	6,292,107.98
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52	1,860,079.53
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47	2,541,718.35
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64	3,983,815.63
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63	8,385,613.51
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
78.4	75.5	71.0	67.9	65.4	64.7

from assets and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.



## CONSOLIDATED

YEAR.....	1922	1923	1924
Number of municipalities included . . . .	226	235	248
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings . . . . .	3,334,522.68	4,488,054.93	4,561,648.92
Substation equipment . . . . .	5,046,857.98	6,015,919.75	6,800,238.00
Distribution system—overhead . . . . .	11,165,330.24	13,135,581.76	14,182,190.33
Distribution system—underground . . . . .	1,598,053.02	1,959,120.41	2,873,446.13
Line transformers . . . . .	3,618,684.73	4,211,655.89	4,456,669.02
Meters . . . . .	4,033,689.52	4,548,933.73	5,149,629.71
Street lighting equipment—regular . . . . .	1,419,016.05	1,061,473.85	1,134,491.77
Street lighting equipment—ornamental . . . . .	666,084.50	708,431.22	728,298.08
Miscellaneous construction expenses . . . . .	3,261,495.74	3,681,274.88	4,168,262.21
Steam or hydraulic plant . . . . .	565,158.54	566,619.86	4,196,803.45
Old plant . . . . .	7,997,947.87	8,051,496.28	5,587,420.31
Total plant . . . . .	42,706,840.87	48,428,562.56	53,839,097.93
Bank and cash balance . . . . .	1,164,336.24	1,276,140.06	1,748,912.34
Securities and investments . . . . .	443,938.18	1,153,424.47	1,329,622.58
Accounts receivable . . . . .	3,874,317.14	3,198,769.34	3,898,751.89
Inventories . . . . .	1,738,795.96	1,819,711.62	1,745,628.16
Sinking fund on local debentures . . . . .	3,416,231.45	3,896,261.28	4,520,723.06
Equity in H-E.P.C. systems . . . . .	1,543,434.12	2,929,603.94	5,420,567.58
Other assets . . . . .	238,940.13	190,071.63	250,292.77
Total assets . . . . .	55,126,834.09	62,892,544.90	72,753,596.31
<b>LIABILITIES</b>			
Debenture balance . . . . .	30,454,186.12	33,056,501.29	38,005,162.50
Accounts payable . . . . .	3,699,292.52	3,708,781.76	3,117,224.08
Bank overdraft . . . . .	456,706.69	680,714.59	162,100.71
Other liabilities . . . . .	586,203.02	1,517,828.47	1,780,564.27
Total liabilities . . . . .	35,196,388.35	38,963,826.11	43,065,051.56
<b>RESERVES</b>			
For equity in H-E.P.C. systems . . . . .	1,543,434.12	2,929,603.94	5,420,567.58
For depreciation . . . . .	6,512,813.92	7,328,858.69	8,097,834.68
Other reserves . . . . .			
Total reserves . . . . .	8,056,248.04	10,258,462.63	13,518,402.26
<b>SURPLUS</b>			
Debentures paid . . . . .	3,104,591.15	2,852,038.38	3,530,610.35
Local sinking fund . . . . .	3,416,231.45	3,896,261.28	4,520,723.06
Operating surplus . . . . .	5,353,375.10	6,921,956.50	8,118,809.08
Total surplus . . . . .	11,874,197.70	13,670,256.16	16,170,142.49
Total liabilities, reserves and surplus . . . . .	55,126,834.09	62,892,544.90	72,753,596.31
Percentage of net debt to total assets . . . . .	63.3	62.6	61.4

## BALANCE SHEET—Continued

1925	1926	1927	1928	1929	1930
247	251	252	256	260	267
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46	7,936,974.31
8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13	19,485,056.28
16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82	19,220,326.48
3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60	4,932,189.05
5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17	7,953,090.23
5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91	7,840,948.07
1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25	1,780,785.67
893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64	1,520,891.01
4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78	3,996,747.77
568,912.49	628,909.57	607,320.00	619,880.93	489,097.67	139,587.28
4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75	5,322,690.14
56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08	80,129,286.29
1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68	2,722,250.12
1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81	1,909,439.11
3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97	4,481,006.92
1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58	1,242,994.51
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88	8,396,255.47
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40	17,346,372.44
137,280.05	33,151.81	31,942.45	153,275.04	152,260.86	173,030.05
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26	116,400,634.91
37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74	45,091,808.06
3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03	3,001,186.21
226,147.82	163,725.53	252,362.52	253,143.81	412,056.69	405,663.14
1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17	1,642,771.59
42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63	50,141,429.00
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40	17,346,372.44
8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49	12,885,387.51
1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26	1,574,655.74
17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15	31,806,415.69
4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59	10,728,279.15
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20	8,396,255.47
8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69	15,328,255.60
17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48	34,452,790.22
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26	116,400,634.91
57.2	55.5	54.2	50.8	47.8	46.0

## CONSOLIDATED

YEAR.....	1931	1932	1933
Number of municipalities included.....	275	280	282
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	8,407,664.48	9,503,743.78	10,186,471.28
Substation equipment.....	21,013,956.74	22,288,781.68	22,306,800.94
Distribution system—overhead.....	19,918,355.76	20,866,767.32	21,152,681.20
Distribution system—underground.....	5,361,627.24	5,820,056.75	5,945,225.61
Line transformers.....	8,649,875.07	9,392,662.62	9,478,605.14
Meters.....	8,106,202.88	8,403,251.67	8,514,165.03
Street lighting equipment—regular.....	2,205,613.18	2,257,618.20	2,381,599.40
Street lighting equipment—ornamental.....	1,456,742.91	1,545,354.93	1,458,443.68
Miscellaneous construction expenses.....	3,827,132.05	4,120,926.11	4,040,859.74
Steam or hydraulic plant.....	458,374.05	498,231.69	502,978.62
Old plant.....	7,146,437.96	4,989,654.97	5,016,755.92
Other plants not distributed.....		200,000.00	200,000.00
Total plant.....	86,551,982.32	89,887,049.72	91,184,586.56
Bank and cash balance.....	2,738,319.67	3,185,442.00	1,696,489.24
Securities and investments.....	1,999,846.42	2,059,325.10	2,163,785.20
Accounts receivable.....	3,957,972.78	3,683,059.42	3,746,910.92
Inventories.....	1,276,531.01	1,232,209.52	1,226,043.30
Sinking fund on local debentures.....	8,735,050.84	9,099,210.61	9,386,176.58
Equity in H-E.P.C. systems.....	20,103,275.76	23,066,129.81	26,045,679.00
Other assets.....	174,879.28	163,637.79	253,581.84
Total assets.....	125,537,858.08	132,376,063.97	135,703,252.64
<b>LIABILITIES</b>			
Debenture balance.....	44,594,400.03	45,133,305.97	42,606,145.29
Accounts payable.....	5,382,306.13	3,512,724.58	3,320,485.45
Bank overdraft.....	312,575.54	298,910.20	206,398.00
Other liabilities.....	1,909,986.13	3,740,376.11	3,787,725.14
Total liabilities.....	52,199,267.83	52,685,316.86	49,920,753.88
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	20,103,275.76	23,066,129.81	26,045,679.00
For depreciation.....	13,748,049.68	14,902,177.02	16,075,959.28
Other reserves.....	1,693,129.83	1,902,308.64	2,048,081.84
Total reserves.....	35,544,455.27	39,870,615.47	44,169,720.12
<b>SURPLUS</b>			
Debentures paid.....	13,150,040.37	15,244,778.28	17,651,367.71
Local sinking fund.....	8,735,050.84	9,099,210.61	9,386,176.58
Operating surplus.....	15,909,043.77	15,476,142.75	14,575,234.35
Total surplus.....	37,794,134.98	39,820,131.64	41,612,778.64
Total liabilities, reserves and surplus...	125,537,858.08	132,376,063.97	135,703,252.64
Percentage of net debt to total assets...	44.1	43.4	40.4



BALANCE SHEET—Continued

1934	1935	1936	1937	1938
282	284	283	287	288
<div>\$ c.</div> <div>10,262,692.98</div> <div>22,327,618.75</div> <div>21,353,725.80</div> <div>6,031,767.74</div> <div>9,635,279.35</div> <div>8,624,504.78</div> <div>2,395,296.48</div> <div>1,464,306.73</div> <div>3,907,359.92</div> <div>494,932.96</div> <div>4,978,079.44</div> <div>200,000.00</div>	<div>\$ c.</div> <div>10,381,191.41</div> <div>22,072,115.14</div> <div>21,650,567.75</div> <div>6,068,724.47</div> <div>9,678,578.13</div> <div>8,767,892.27</div> <div>2,420,238.81</div> <div>1,486,302.46</div> <div>3,616,986.74</div> <div>496,050.14</div> <div>4,917,917.43</div> <div>200,000.00</div>	<div>\$ c.</div> <div>10,528,595.34</div> <div>22,162,208.03</div> <div>22,163,701.17</div> <div>6,070,337.02</div> <div>9,845,939.94</div> <div>9,043,615.65</div> <div>2,527,188.03</div> <div>1,504,596.77</div> <div>4,019,430.59</div> <div>496,186.33</div> <div>4,876,405.43</div> <div>200,000.00</div>	<div>\$ c.</div> <div>10,785,473.59</div> <div>22,900,269.21</div> <div>22,699,652.43</div> <div>6,100,282.76</div> <div>10,128,591.29</div> <div>9,234,773.90</div> <div>2,610,137.97</div> <div>1,508,564.76</div> <div>4,389,592.08</div> <div>496,186.33</div> <div>4,878,609.01</div>	<div>\$ c.</div> <div>10,894,019.12</div> <div>23,614,597.80</div> <div>23,371,092.61</div> <div>6,134,283.64</div> <div>10,494,789.40</div> <div>9,539,413.66</div> <div>2,697,047.84</div> <div>1,516,059.81</div> <div>4,444,880.40</div> <div>497,974.74</div> <div>4,897,097.67</div>
<div>91,675,564.93</div> <div>2,215,914.31</div> <div>2,382,446.41</div> <div>4,001,596.09</div> <div>1,110,705.38</div> <div>9,161,419.77</div> <div>29,274,340.46</div> <div>289,158.19</div>	<div>91,756,564.75</div> <div>2,927,485.90</div> <div>2,593,633.59</div> <div>4,363,297.95</div> <div>1,212,063.37</div> <div>9,086,152.46</div> <div>32,609,979.83</div> <div>301,317.86</div>	<div>93,438,204.30</div> <div>3,921,121.28</div> <div>2,924,913.30</div> <div>4,560,713.55</div> <div>1,261,843.81</div> <div>9,535,712.83</div> <div>36,193,874.21</div> <div>203,167.35</div>	<div>95,732,133.33</div> <div>3,080,864.13</div> <div>4,469,369.04</div> <div>4,240,741.41</div> <div>1,336,527.60</div> <div>10,003,873.93</div> <div>40,032,438.34</div> <div>186,252.23</div>	<div>98,101,256.69</div> <div>3,043,609.87</div> <div>4,832,322.57</div> <div>4,106,655.16</div> <div>1,393,158.18</div> <div>10,397,958.20</div> <div>44,254,118.64</div> <div>178,534.60</div>
140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01	166,307,613.91
<div>39,646,989.68</div> <div>3,149,035.07</div> <div>143,556.95</div> <div>3,669,008.56</div>	<div>36,667,080.62</div> <div>2,931,934.14</div> <div>72,084.93</div> <div>3,462,906.61</div>	<div>34,485,507.43</div> <div>2,879,497.45</div> <div>25,559.95</div> <div>3,267,141.59</div>	<div>32,447,411.68</div> <div>2,912,960.24</div> <div>34,787.51</div> <div>3,216,028.08</div>	<div>29,987,512.34</div> <div>3,334,802.82</div> <div>108,753.61</div> <div>3,120,619.84</div>
46,608,590.26	43,134,006.30	40,657,706.42	38,611,187.51	36,551,688.61
<div>29,274,340.46</div> <div>17,426,809.32</div> <div>2,056,820.81</div>	<div>32,609,979.83</div> <div>18,410,891.84</div> <div>2,459,074.98</div>	<div>36,193,874.21</div> <div>19,666,170.18</div> <div>2,763,100.40</div>	<div>40,032,438.34</div> <div>21,034,164.68</div> <div>2,802,650.84</div>	<div>44,254,118.64</div> <div>22,583,476.69</div> <div>2,814,785.08</div>
48,757,970.59	53,479,946.65	58,623,144.79	63,869,253.86	69,652,380.41
<div>20,608,129.73</div> <div>9,161,419.77</div> <div>14,975,035.19</div>	<div>23,481,974.13</div> <div>9,086,152.46</div> <div>15,668,416.17</div>	<div>26,084,294.84</div> <div>9,535,712.83</div> <div>17,138,691.75</div>	<div>28,468,539.78</div> <div>10,003,873.93</div> <div>18,129,344.93</div>	<div>30,890,189.93</div> <div>10,397,958.20</div> <div>18,815,396.76</div>
44,744,584.69	48,236,542.76	52,758,699.42	56,601,758.64	60,103,544.89
140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01	166,307,613.91
35.9	32.0	28.3	25.2	22.4

# CONSOLIDATED BALANCE SHEET—Concluded

YEAR.....	1939	1940	1941
Number of municipalities included.....	293	295	296
<b>ASSETS</b>			
	\$ c.	\$ c.	\$ c.
Lands and buildings.....	11,030,623.50	11,218,258.69	11,488,173.96
Substation equipment.....	23,780,655.18	24,282,151.78	24,896,262.26
Distribution system—overhead.....	23,925,362.60	24,653,458.44	25,228,363.52
Distribution system—underground.....	6,202,371.87	6,214,957.69	6,391,399.25
Line transformers.....	10,855,346.75	11,030,643.29	11,817,440.89
Meters.....	9,838,600.98	9,927,971.40	10,644,655.81
Street lighting equipment—regular.....	2,798,171.62	2,879,996.65	2,940,055.38
Street lighting equipment—ornamental.....	1,518,035.24	1,534,320.08	1,540,369.82
Miscellaneous construction expenses....	4,147,280.84	4,341,259.94	4,366,893.41
Steam or hydraulic plant.....	498,650.81	498,575.87	445,118.58
Old plant.....	4,894,655.59	1,332,606.12	1,329,860.41
Total plant.....	99,489,754.98	97,914,199.95	101,088,593.29
Bank and cash balance.....	3,107,087.65	4,462,197.18	2,991,173.27
Securities and investments.....	4,850,531.80	5,315,855.49	8,368,139.57
Accounts receivable.....	4,774,816.58	4,715,848.86	4,116,252.29
Inventories.....	1,496,275.62	1,630,987.28	1,984,025.53
Sinking fund on local debentures.....	11,032,594.44	5,829,573.87	5,530,647.79
Equity in H-E.P.C. systems.....	48,615,296.94	52,457,676.76	52,458,225.18
Other assets.....	156,520.39	258,395.70	226,034.26
Total assets.....	173,522,878.40	172,584,735.09	176,763,091.18
<b>LIABILITIES</b>			
Debenture balance.....	27,962,685.51	20,636,363.20	17,805,415.36
Accounts payable.....	3,100,565.26	3,095,613.25	3,088,145.27
Bank overdraft.....	180,064.81	187,038.91	302,744.63
Other liabilities.....	2,998,174.20	3,004,624.22	2,987,132.70
Total liabilities.....	34,241,489.78	26,923,638.58	24,183,437.96
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	48,615,296.94	52,457,676.76	52,458,225.18
For depreciation.....	24,046,526.92	25,733,628.33	27,795,985.72
Other reserves.....	3,090,471.34	3,326,591.65	3,592,384.90
Total reserves.....	75,752,295.20	81,517,896.74	83,846,595.80
<b>SURPLUS</b>			
Debentures paid.....	32,866,660.82	37,245,922.84	39,943,340.75
Local sinking fund.....	11,032,594.44	5,829,573.87	5,530,647.79
Operating surplus.....	19,629,838.16	21,067,703.06	23,259,068.88
Total surplus.....	63,529,093.42	64,143,199.77	68,733,057.42
Total liabilities, reserves and surplus...	173,522,878.40	172,584,735.09	176,763,091.18
Percentage of net debt to total assets...	19.3	17.4	14.6

## CONSOLIDATED OPERATING REPORT

YEAR.....	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service .....		572,154.38	789,130.81	944,271.08
Commercial light service .....		525,438.16	673,803.92	720,209.26
Commercial power service .....		905,378.17	1,214,829.31	1,501,797.78
Municipal power .....				
Street lighting .....		560,925.56	698,409.71	835,970.87
Rural service .....				
Miscellaneous .....		53,543.24	57,482.41	68,046.29
Total earnings .....	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
<b>EXPENSES</b>				
Power purchased .....		789,632.87	1,045,752.65	1,484,666.00
Substation operation .....		78,394.81	97,658.90	107,607.31
Substation maintenance .....		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance .....		104,114.51	130,998.65	154,409.71
Line transformer maintenance .....		8,547.61	11,764.32	11,508.92
Meter maintenance .....		5,222.19	9,536.07	12,899.14
Consumers' premises expenses .....		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance .....		84,903.76	113,047.80	136,983.38
Promotion of business .....		72,303.51	86,683.02	74,402.55
Billing and collecting .....		77,351.76	103,560.71	131,541.27
General office, salaries and expenses .....		154,932.69	230,899.75	236,777.86
Undistributed expense .....		65,423.64	89,350.91	129,209.15
Interest .....		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures .....		*	*	*
Total expenses .....	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus .....	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves .....	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation .....	115,513.53	313,580.87	397,444.51	284,374.29

\*Debenture payments included in "Interest."



## CONSOLIDATED

YEAR.....	1916	1917	1918
Number of municipalities included.....	128	143	166
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	1,172,878.96	1,417,460.31	1,632,272.12
Commercial light service.....	812,130.78	899,023.72	968,399.42
Commercial power service.....	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power.....			
Street lighting.....	930,057.48	967,495.10	902,875.55
Rural service.....			
Miscellaneous.....	147,381.50	120,805.39	161,243.70
Total earnings.....	4,983,601.03	6,070,065.17	7,082,039.16
<b>EXPENSES</b>			
Power purchased.....	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation.....	153,761.08	203,091.20	238,257.34
Substation maintenance.....	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance.....	154,247.17	169,326.24	223,347.81
Line transformer maintenance.....	14,528.17	25,328.95	30,488.83
Meter maintenance.....	24,218.48	44,461.55	63,155.56
Consumers' premises expenses.....	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance.....	145,471.50	157,857.73	196,157.18
Promotion of business.....	79,324.85	73,516.37	64,962.78
Billing and collecting.....	154,508.58	188,083.84	208,660.76
General office, salaries and expenses.....	306,709.35	349,932.05	421,680.15
Undistributed expense.....	97,333.97	102,938.80	117,474.07
Interest.....	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures.....	*	*	*
Total expenses.....	4,140,065.51	5,077,491.08	5,736,334.85
Surplus.....	843,535.52	992,574.09	1,345,704.31
Depreciation and other reserves.....	486,141.80	607,296.29	718,162.30
Surplus less depreciation.....	357,393.72	385,277.80	627,542.01

\*Debenture payments included in "Interest."

## OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,991,632.31	2,546,345.30	3,149,080.03	3,786,608.23	5,166,452.24	5,993,231.07
1,175,143.56	1,512,854.63	1,851,501.76	2,158,306.34	3,260,772.50	3,566,227.22
3,443,107.13	3,752,188.22	3,895,437.46	4,383,912.97	5,927,666.37	6,222,865.88
.....	532,279.09	654,531.01	973,263.38	1,161,598.60	1,352,966.47
988,900.95	1,005,535.11	1,060,357.77	1,160,446.81	1,269,604.48	1,356,668.97
.....	168,919.95	145,566.57	105,877.09	116,639.06	75,100.24
228,270.65	189,778.63	225,467.70	187,689.39	316,311.21	231,663.58
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
3,284,490.68	4,216,667.87	4,876,650.31	6,636,853.37	8,699,026.67	9,669,789.40
217,638.89	285,407.35	314,838.35	315,443.70	474,442.13	430,056.09
81,853.63	102,050.81	104,798.01	100,763.67	133,815.53	202,050.04
286,310.76	344,551.57	487,918.33	519,252.16	636,477.41	648,700.62
42,509.12	46,323.09	65,088.46	52,932.26	75,920.10	82,936.50
78,726.64	123,701.18	116,722.97	107,806.88	139,104.81	141,231.23
84,301.24	116,283.52	134,854.92	143,388.88	218,682.02	237,316.20
215,963.86	236,930.79	297,481.52	297,363.86	299,579.08	269,973.30
74,789.22	78,294.85	101,804.46	129,932.63	184,371.00	202,060.74
236,504.75	295,942.88	321,685.71	338,153.50	444,306.92	490,273.30
452,131.22	559,695.29	656,268.11	605,852.50	937,463.47	889,907.66
190,690.09	256,400.33	308,874.42	385,895.03	359,206.91	494,078.50
1,285,571.51	1,431,807.16	998,611.47	1,074,657.44	1,615,205.16	1,779,991.26
*	*	532,183.96	635,469.90	990,907.14	1,122,798.87
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
1,295,572.99	1,613,844.24	1,664,161.30	1,412,338.43	2,010,536.11	2,137,559.72
814,219.37	902,028.75	1,044,434.85	715,814.24	916,782.75	973,649.62
481,353.62	711,815.49	619,726.45	696,524.19	1,093,753.36	1,163,910.10

## CONSOLIDATED

YEAR.....	1925	1926	1927
Number of municipalities included.....	242	248	251
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service.....	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service.....	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power.....	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting.....	1,415,382.22	1,457,686.21	1,489,242.37
Rural service.....	37,975.18	37,810.73	13,765.72
Miscellaneous.....	286,451.08	471,134.15	581,913.04
Total earnings.....	20,537,208.99	22,238,862.78	24,157,279.61
<b>EXPENSES</b>			
Power purchased.....	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation.....	417,921.71	450,416.84	430,211.76
Substation maintenance.....	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance.....	686,344.54	795,514.70	758,747.10
Line transformer maintenance.....	75,473.28	74,876.11	94,706.38
Meter maintenance.....	156,909.55	189,603.70	214,813.87
Consumers' premises expenses.....	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance.....	275,316.60	295,869.37	318,395.79
Promotion of business.....	217,102.24	234,696.74	220,687.60
Billing and collecting.....	521,134.01	557,271.54	605,627.58
General office, salaries and expenses.....	891,640.29	786,742.60	824,868.90
Undistributed expense.....	520,584.58	460,288.30	531,003.80
Truck operation and maintenance.....			
Interest.....	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures.....	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses.....	18,469,694.48	19,925,235.64	21,634,472.40
Surplus.....	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation and other reserves.....	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation.....	998,634.09	1,167,354.09	1,273,095.56



## OPERATING REPORT—Continued

1928	1929	1930	1931	1932	1933
255	259	267	275	280	282
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,925,050.56	9,873,681.57	10,542,903.89	10,972,952.10	11,447,307.85	11,429,101.13
5,182,723.32	5,697,766.06	5,961,383.23	6,230,475.89	6,243,794.01	6,013,025.96
8,298,669.44	9,376,158.74	9,340,653.28	9,456,224.97	9,356,693.88	9,080,522.07
1,921,300.97	2,086,444.24	2,111,482.38	1,967,118.54	1,859,585.35	1,826,872.07
1,534,476.98	1,598,262.43	1,674,528.03	1,746,855.24	1,783,972.46	1,779,582.48
*48,451.90	*51,590.54	*28,954.60	*29,446.38	*11,069.27	*12,812.74
465,791.92	522,780.95	581,914.78	511,139.80	513,787.30	485,925.43
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12	30,627,841.88
14,688,570.08	16,379,162.88	17,323,077.97	18,085,166.51	19,109,036.25	19,330,861.58
420,512.48	461,270.27	479,502.48	487,484.17	503,351.82	484,764.57
247,647.88	274,275.56	320,716.48	303,536.11	300,186.15	288,583.29
736,159.85	907,817.04	991,972.86	1,015,256.14	969,750.51	895,350.99
88,676.18	93,608.14	96,746.35	93,463.24	95,485.55	82,321.32
218,530.96	242,126.27	278,379.43	284,633.88	300,104.85	283,115.98
291,333.03	314,495.03	317,902.45	363,078.47	368,208.73	361,499.20
329,597.16	359,373.40	372,211.07	368,119.49	360,709.76	353,082.15
249,842.01	250,844.28	249,070.05	255,956.03	266,760.84	259,936.42
638,797.02	695,729.42	745,159.02	792,983.99	818,721.33	817,660.03
844,578.55	904,025.64	907,226.89	923,676.84	960,558.88	903,517.79
542,755.34	502,206.06	523,862.96	520,893.10	436,692.96	349,101.36
.....	110,630.62	112,029.82	107,918.93	112,059.90	105,452.68
2,111,049.49	2,152,695.49	2,220,214.45	2,328,094.32	2,532,940.93	2,426,286.35
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86	2,319,319.09
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42	29,265,852.80
3,366,703.74	3,871,222.79	3,475,686.19	2,922,232.91	1,837,273.70	1,361,989.08
1,350,252.16	1,469,846.83	1,574,991.68	1,775,330.69	1,920,896.22	1,989,000.41
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	83,622.52 (loss)	627,011.33 (loss)

\*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.

## CONSOLIDATED

YEAR.....	1934	1935	1936
Number of municipalities included.....	282	284	283
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	11,844,033.10	12,145,219.89	12,682,140.18
Commercial light service.....	6,206,086.35	6,458,748.57	6,815,439.16
Commercial power service.....	9,692,784.37	10,211,968.71	10,694,192.44
Municipal power.....	1,875,969.80	1,821,285.82	1,817,986.94
Street lighting.....	1,777,596.69	1,788,760.38	1,799,420.87
Merchandise.....	18,747.73	21,669.98	23,158.76
Miscellaneous.....	555,172.04	562,285.82	575,825.49
Total earnings.....	31,970,390.08	33,009,939.17	34,408,163.84
<b>EXPENSES</b>			
Power purchased.....	19,591,887.79	20,053,676.40	20,486,582.65
Substation operation.....	468,944.09	478,813.83	478,855.71
Substation maintenance.....	296,550.52	297,127.27	301,897.24
Distribution system, operation and maintenance.....	844,813.95	830,633.88	855,576.02
Line transformer maintenance.....	75,172.18	70,749.63	72,711.67
Meter maintenance.....	291,402.79	313,234.11	328,410.90
Consumers' premises expenses.....	352,499.09	340,761.52	306,644.80
Street lighting, operation and maintenance.....	338,784.80	340,120.36	356,932.01
Promotion of business.....	228,741.36	252,648.33	288,338.93
Billing and collecting.....	827,860.20	835,375.90	945,892.70
General office, salaries and expenses.....	908,039.75	943,880.18	967,269.06
Undistributed expense.....	362,322.12	360,676.96	448,332.98
Truck operation and maintenance.....	98,081.61	95,150.54	69,805.06
Interest.....	2,204,994.25	2,040,130.35	1,893,304.28
Sinking fund and principal payments on debentures.....	2,358,169.12	2,423,088.34	2,448,223.80
Total expenses.....	29,248,263.62	29,686,067.60	30,248,777.81
Surplus.....	2,722,126.46	3,323,871.57	4,159,386.03
Depreciation and other reserves.....	2,036,637.33	2,076,322.24	2,230,021.86
Surplus less depreciation.....	685,489.13	1,247,549.33	1,929,364.17

## OPERATING REPORT—Concluded

1937	1938	1939	1940	1941
287	288	293	295	296
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,448,345.63	12,607,601.30	13,038,748.37	13,705,710.79	14,287,828.19
6,510,685.15	6,727,374.48	7,077,144.74	7,642,679.90	7,885,693.81
11,063,764.43	10,527,631.36	10,957,719.66	12,458,439.08	14,591,053.03
1,731,311.34	1,677,069.34	1,760,977.25	1,741,235.23	1,832,379.38
1,781,363.37	1,813,555.27	1,831,090.33	1,842,443.63	1,880,560.01
22,971.02	26,588.18	28,874.86	56,818.83	58,695.51
607,035.54	602,012.80	595,235.49	577,959.98	526,771.53
34,165,476.48	33,981,832.73	35,289,790.70	38,025,287.44	41,062,981.46
20,532,736.85	20,575,457.95	21,855,595.20	23,756,863.14	26,017,260.84
490,737.94	493,651.06	516,987.25	544,234.10	552,820.54
300,389.49	351,013.94	377,013.25	322,375.73	316,677.27
889,990.11	921,064.94	943,859.59	930,055.53	993,886.44
81,365.18	94,040.92	95,577.72	101,617.16	114,304.18
343,658.47	384,357.58	386,145.71	372,562.74	409,252.72
420,366.36	483,012.96	488,980.55	568,135.41	604,642.97
364,325.53	373,065.44	384,071.55	366,911.70	379,905.55
294,574.21	309,626.97	317,467.64	293,022.17	262,910.03
980,540.10	987,040.66	1,008,065.66	1,020,648.93	1,074,173.90
940,890.76	931,120.05	966,550.98	960,065.70	1,053,367.83
476,370.44	430,609.32	463,456.65	555,414.26	480,317.80
77,995.38	84,111.05	80,263.46	79,848.64	93,032.89
1,752,287.58	1,642,663.25	1,594,040.32	1,464,381.29	1,027,985.34
2,429,565.06	2,424,098.70	2,420,441.30	2,389,723.60	2,248,937.42
30,375,793.46	30,484,934.79	31,898,516.83	33,725,860.10	35,629,475.72
3,789,683.02	3,496,897.94	3,391,273.87	4,299,427.34	5,433,505.74
2,329,625.64	2,451,529.46	2,524,364.33	2,644,127.10	2,933,730.99
1,460,057.38	1,045,368.48	866,909.54	1,655,300.24	2,499,774.75



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 487	Alvinston	Amherst- burg 2,704
Population.....	1,903	P.V.		649	
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,545.45			133.56	
Substation equipment.....	1,962.78				932.00
Distribution system—overhead...	27,298.55	9,401.02	7,844.15	16,382.71	39,750.54
Distribution system—underground					
Line transformers.....	15,636.41	5,152.37	3,189.17	2,941.70	21,149.68
Meters.....	12,106.21	3,104.53	2,780.29	3,514.27	16,284.60
Street light equipment, regular....	2,378.79	959.47	457.58	1,280.09	1,587.79
Street light equipment, ornamental					5,598.72
Miscellaneous construction expense	2,196.66	23.30	492.36	1,096.68	3,670.85
Steam or hydraulic plant.....					
Old plant.....				773.85	
Total plant.....	63,124.85	18,640.69	14,763.55	26,122.86	88,974.18
Bank and cash balance.....	2,640.89	1,261.61	1,414.91	763.99	10,594.10
Securities and investments.....	9,500.00	5,500.00	7,500.00	5,500.00	3,000.00
Accounts receivable.....	573.23	191.01	752.75	36.48	6,623.44
Inventories.....	1,303.47				
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	70,973.63	11,594.47	15,874.72	15,940.84	55,795.00
Other assets.....	2.65	103.47			
Total assets.....	148,118.72	37,291.25	40,305.93	48,364.17	164,986.70
Deficit.....				381.06	
Total.....	148,118.72	37,291.25	40,305.92	48,745.23	164,986.70
<b>LIABILITIES</b>					
Debenture balance.....				1,687.93	10,679.20
Accounts payable.....	90.68	217.48	247.78		245.80
Bank overdraft.....					
Other liabilities.....	1,171.30		150.00	67.00	6,891.50
Total liabilities.....	1,261.98	217.48	397.78	1,754.93	17,816.60
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	70,973.63	11,594.47	15,874.72	15,940.84	55,795.00
For depreciation.....	11,986.41	3,132.73	6,755.73	9,148.65	27,373.30
Other reserves.....		42.90		59.50	488.30
Total reserves.....	82,960.04	14,770.10	22,630.45	25,148.99	83,656.70
<b>SURPLUS</b>					
Debentures paid.....	14,500.00	8,072.65	6,883.38	21,841.31	21,374.40
Local sinking fund.....					
Operating surplus.....	49,396.70	14,231.02	10,394.32		42,138.90
Total surplus.....	63,896.70	22,303.67	17,277.70	21,841.31	63,513.30
Total liabilities, reserves and surplus	148,118.72	37,291.25	40,305.93	48,745.23	164,986.70
Percentage of net debt to total assets	1.6	0.9	1.6	5.4	11.8

"A"

## Hydro Municipalities as at December 31, 1941

Ancaster Twp.	Arkona 403	Aylmer 1,985	Ayr 748	Baden P.V.	Beachville P.V.	Beamsville 1,227
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,873.28	10,048.73	27,260.13	13,086.93	9,637.77	15,807.64	16,733.01
13,926.63	2,303.10	15,170.52	5,616.06	6,612.00	4,886.14	10,315.28
6,451.66	1,833.26	12,790.23	4,286.35	3,980.24	3,472.60	7,251.97
1,521.91	750.31	4,541.28	1,162.14	738.66	444.23	2,687.88
1,160.01	247.75	2,353.08	822.49	318.49	602.04	314.85
	1,030.30	6,469.47	4,002.53			
42,933.49	16,213.45	79,581.23	29,101.50	21,947.80	25,388.78	37,302.99
2,789.10		1,099.81	41.20	1,148.05	1,535.44	3,658.06
		11,000.00	2,000.00	2,500.00	6,500.00	
433.75	45.70	935.21	1,307.17	72.28	291.79	200.86
		594.38				
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
						16,561.48
63,968.06	22,663.53	137,721.34	47,896.12	58,735.51	76,051.56	61,930.01
	747.53					
63,968.06	23,411.06	137,721.34	47,896.12	58,735.51	76,051.56	61,930.01
7,669.16	3,959.66	7,913.67	3,448.03			15,590.87
1,206.14	179.59	176.25	656.87	1.05	71.06	464.00
	122.40					
268.58	7.00	773.36	46.00			683.91
9,143.88	4,268.65	8,863.28	4,150.90	1.05	71.06	16,738.78
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
11,239.80	3,584.86	19,616.55	8,023.32	2,730.34	9,126.61	5,476.01
48.23		654.83	517.29			
29,099.75	9,989.24	64,782.09	23,986.86	35,797.72	51,462.16	9,682.63
6,441.12	9,153.17	30,788.25	14,055.35	5,000.00	5,353.00	21,909.13
19,283.31		33,287.72	5,703.01	17,936.74	19,165.34	13,599.47
25,724.43	9,153.17	64,075.97	19,758.36	22,936.74	24,518.34	35,508.60
63,968.06	23,411.06	137,721.34	47,896.12	58,735.51	76,051.56	61,930.01
19.8	26.3	9.5	12.8	0.0	0.2	29.0

## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Belle River 836	Blenheim	Blyth	Bolton	Bothwell
Population . . . . .		1,873	662	629	683
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	204.20	13,022.93			
Substation equipment . . . . .		909.64			
Distribution system—overhead . . . . .	19,764.99	32,449.08	11,830.76	10,506.33	7,617.25
Distribution system—underground . . . . .					
Line transformers . . . . .	4,445.86	12,136.75	2,449.70	4,488.88	3,207.58
Meters . . . . .	4,556.14	11,186.00	2,417.71	3,599.32	3,470.66
Street light equipment, regular . . . . .	1,312.50	3,859.04	1,569.43	873.89	3,571.49
Street light equipment, ornamental . . . . .		1,482.97			1,131.22
Miscellaneous construction expense . . . . .	1,062.39	688.92	254.59	1,535.60	622.38
Steam or hydraulic plant . . . . .					
Old plant . . . . .			2,096.17	1,554.60	
Total plant . . . . .	31,346.08	75,735.33	20,618.36	22,558.62	19,620.50
Bank and cash balance . . . . .	2,963.21	713.43	378.03	275.92	1,611.90
Securities and investments . . . . .	4,000.00		3,500.00	8,000.00	11,000.00
Accounts receivable . . . . .	35.98	1,022.93	606.97	422.07	99.80
Inventories . . . . .		990.51			27.20
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
Other assets . . . . .					
Total assets . . . . .	49,117.91	117,617.06	35,230.98	49,378.77	50,344.10
Deficit . . . . .					
Total . . . . .	49,117.91	117,617.06	35,230.98	49,378.77	50,344.10
<b>LIABILITIES</b>					
Debenture balance . . . . .		3,524.53		1,682.95	1,258.60
Accounts payable . . . . .	60.93	5,503.63		192.24	
Bank overdraft . . . . .					
Other liabilities . . . . .	185.00	1,880.47	170.00		1,236.20
Total liabilities . . . . .	245.93	10,908.63	170.00	1,875.19	2,494.80
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
For depreciation . . . . .	10,707.21	21,712.16	6,161.74	8,710.19	7,948.40
Other reserves . . . . .		227.53			15.00
Total reserves . . . . .	21,479.85	61,094.55	16,289.36	26,832.35	25,948.00
<b>SURPLUS</b>					
Debentures paid . . . . .	8,500.00	10,475.47	16,032.52	10,817.05	4,275.00
Local sinking fund . . . . .					
Operating surplus . . . . .	18,892.13	35,138.41	2,739.10	9,854.18	17,625.00
Total surplus . . . . .	27,392.13	45,613.88	18,771.62	20,671.23	21,900.00
Total liabilities, reserves and surplus . . . . .	49,117.91	117,617.06	35,230.98	49,378.77	50,344.10
Percentage of net debt to total assets . . . . .	0.6	12.2	0.7	6.0	4.4



## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Brampton 5,702	Brantford 30,947	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 784	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,355.12	114,570.48	1,192.71		1,482.03		202.00
35,006.39	322,724.37	68,584.14	10,395.83	8,253.90	14,457.09	9,529.27
54,686.20	275,580.81					
37,805.93	195,221.96	21,236.73	3,275.45	2,825.58	3,046.95	4,322.83
31,489.08	159,702.89	17,471.63	2,952.53	2,674.50	4,338.82	4,225.43
12,334.99	26,377.42	5,555.23	1,635.60	494.23	1,587.79	425.14
	37,500.00					
23,224.38	44,823.89	2,839.08	654.28	1,231.23	1,537.56	727.24
	6,000.00				2,827.50	
199,902.09	1,182,501.82	116,879.52	18,913.69	16,961.47	27,795.71	19,431.91
66.00	18,483.14	75.00	3,535.70	769.88	702.11	616.86
1,861.87	21,500.00	6,000.00		2,500.00	10,500.00	5,000.00
922.47	21,272.14	471.43	130.71	42.95	305.68	181.68
247.17	14,944.57					
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
68.25	244.00	141.78				
380,902.13	2,194,933.72	158,955.05	29,103.69	32,550.09	52,862.11	39,422.03
380,902.13	2,194,933.72	158,955.05	29,103.69	32,550.09	52,862.11	39,422.03
	37,000.00		6,109.30		3,244.25	
6,626.82	1,914.56	612.57				33.46
2,169.17		2,031.20				
1,067.00	60,804.99	2,141.78	254.24	25.00	111.73	94.08
9,862.99	99,719.55	4,785.55	6,363.54	25.00	3,355.98	127.54
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
68,545.53	436,416.31	29,357.48	6,985.99	5,435.13	9,263.68	6,308.18
216.64	10,112.89	40.93		97.24		
246,596.45	1,382,517.25	64,785.73	13,509.58	17,808.16	22,822.29	20,499.76
69,050.64	493,000.00	57,125.66	6,258.73	8,000.00	17,755.75	9,000.00
55,392.05	219,696.92	32,258.11	2,971.84	6,716.93	8,928.09	9,794.73
124,442.69	712,696.92	89,383.77	9,230.57	14,716.93	26,683.84	18,794.73
380,902.13	2,194,933.72	158,955.05	29,103.69	32,550.09	52,862.11	39,422.03
4.9	5.1	3.9	28.2	0.1	8.5	0.5

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population.....	1,425		700	17,148	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		595.60			90,216.28
Substation equipment.....					154,326.67
Distribution system—overhead....	3,806.38	19,830.18	3,002.37	19,410.53	157,250.48
Distribution system—underground					86,297.88
Line transformers.....	1,395.24	7,059.09	820.55	5,389.92	104,947.30
Meters.....	1,161.12	8,384.73	808.75	4,127.77	82,246.56
Street light equipment, regular....	261.02	2,042.67	335.61	1,357.57	20,047.03
Street light equipment, ornamental					35,426.10
Miscellaneous construction expense	457.22	1,617.58	6.82	571.36	30,177.64
Steam or hydraulic plant.....					
Old plant.....					42,752.31
Total plant.....	7,080.98	39,529.85	4,974.10	30,857.15	803,688.25
Bank and cash balance.....	645.22	493.96	512.48	1,007.98	
Securities and investments.....	1,000.00	3,200.00	2,400.00	1,000.00	55,000.00
Accounts receivable.....	408.13	48.59	400.92	282.57	43,111.90
Inventories.....		1,001.45		339.27	17,600.49
Sinking fund on local debentures.					
Equity in H-E.P.C. systems.....	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
Other assets.....				0.57	610.00
Total assets.....	14,657.77	67,846.58	10,971.74	43,551.74	1,331,506.90
Deficit.....					
Total.....	14,657.77	67,846.58	10,971.74	43,551.74	1,331,506.90
LIABILITIES					
Debenture balance.....			895.02	4,515.23	118,984.40
Accounts payable.....	0.31	69.40	32.98	513.31	17,546.77
Bank overdraft.....					10,969.46
Other liabilities.....		103.50		180.00	46,207.50
Total liabilities.....	0.31	172.90	928.00	5,208.54	193,708.13
RESERVES					
For equity in H-E.P.C. systems....	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
For depreciation.....	3,788.54	4,297.95	1,530.37	7,461.67	194,036.34
Other reserves.....				116.21	28,084.47
Total reserves.....	9,311.98	27,870.68	4,214.61	17,642.08	633,617.07
SURPLUS					
Debentures paid.....	3,500.00	4,624.00	4,552.75	15,484.77	251,015.60
Local sinking fund.....					
Operating surplus.....	1,845.48	35,179.00	1,276.38	5,216.35	253,166.10
Total surplus.....	5,345.48	39,803.00	5,829.13	20,701.12	504,181.70
Total liabilities, reserves and surplus.	14,657.77	67,846.58	10,971.74	43,551.74	1,331,506.90
Percentage of net debt to total assets	0.0	0.4	10.8	15.6	17.9

“A”—Continued

Hydro Municipalities as at December 31, 1941

Chippawa 1,228	Clifford 491	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
\$ c. 1,434.46	\$ c. .....	\$ c. 10,227.74	\$ c. 62.00	\$ c. 475.63	\$ c. .....	\$ c. .....
12,342.87	8,309.56	7,598.09 26,462.41	7,977.66	10,204.26	6,575.96	3,872.99
7,918.33	1,810.86	10,858.69	5,080.42	2,274.24	1,225.40	2,400.81
6,927.15	2,565.11	11,020.05	2,774.43	2,118.91	981.92	1,920.89
3,141.60	1,014.93	5,705.10	423.35	366.43	425.08	364.52
1,773.88	40.49	5,392.75	1,135.29	330.80	616.86	305.37
.....	.....	10,658.09	.....	.....	.....	.....
33,538.29	13,740.95	87,922.92	17,453.15	15,770.27	9,825.22	8,864.58
2,006.61	265.31	6,440.33	18.07	274.22	927.72	1,352.06
4,000.00	3,000.00	6,500.00	6,500.00	5,391.66	4,000.00	3,000.00
99.49	21.53	1,174.24	15.95	74.41	54.24	10.48
337.87	.....	4,699.74	.....	.....	.....	.....
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
61.59	.....	.....	.....	4.26	.....	.....
57,850.56	24,374.07	155,102.18	43,231.34	26,055.38	20,711.14	21,975.72
57,850.56	24,374.07	155,102.18	43,231.34	26,055.38	20,711.14	21,975.72
.....	5,018.45	.....	.....	3,216.06	.....	999.02
.....	19.76	159.13	1,089.77	460.90	0.43	126.71
835.50	5.00	522.22	70.00	195.00	.....	.....
835.50	5,043.21	681.35	1,159.77	3,871.96	0.43	1,125.73
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
5,941.03	3,740.92	27,674.83	7,354.90	5,222.19	2,637.40	3,646.42
.....	.....	555.86	.....	43.54	13.27	.....
23,747.74	11,087.20	76,595.64	26,599.07	9,806.29	8,554.63	12,395.02
13,350.00	2,981.55	44,500.00	7,700.00	5,784.16	8,138.35	2,400.98
19,917.32	5,262.11	33,325.19	7,772.50	6,592.97	4,017.73	6,053.99
33,267.32	8,243.66	77,825.19	15,472.50	12,377.13	12,156.08	8,454.97
57,850.56	24,374.07	155,102.18	43,231.34	26,055.38	20,711.14	21,975.72
2.1	29.6	0.6	4.8	18.0	0.0	8.5



## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Delaware	Delhi	Dorchester	Drayton	Dresden
Population . . . . .	P.V.	2,430	P.V.	521	1,525
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		2,177.24			
Substation equipment . . . . .					523.00
Distribution system—overhead . . . . .	5,309.95	28,550.66	9,428.00	10,041.31	20,075.44
Distribution system—underground . . . . .					
Line transformers . . . . .	1,819.08	16,354.51	3,317.06	4,425.18	7,722.31
Meters . . . . .	1,420.22	12,088.47	2,804.54	3,662.59	7,620.42
Street light equipment, regular . . . . .	202.58	3,860.38	907.18	772.21	1,652.15
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	203.81	4,285.15	428.43	448.61	2,453.54
Steam or hydraulic plant . . . . .					
Old plant . . . . .		28,518.74			
Total plant . . . . .	8,955.64	95,835.15	16,885.21	19,349.90	40,046.86
Bank and cash balance . . . . .	154.80	5,891.32	370.79	934.18	1,045.98
Securities and investments . . . . .	1,250.00	6,000.00	2,700.00	5,500.00	4,500.00
Accounts receivable . . . . .	7.93	642.78	779.80	55.56	1,050.50
Inventories . . . . .		2,977.39			1,648.23
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
Other assets . . . . .	270.25	1.44			125.26
Total assets . . . . .	14,031.45	115,364.05	28,603.99	38,856.96	81,501.84
Deficit . . . . .					
Total . . . . .	14,031.45	115,364.05	28,603.99	38,856.96	81,501.84
<b>LIABILITIES</b>					
Debenture balance . . . . .	709.06	78,173.57	990.76	3,398.77	
Accounts payable . . . . .	14.24	437.14	0.06	67.18	208.21
Bank overdraft . . . . .					
Other liabilities . . . . .		1,432.65	29.36		360.00
Total liabilities . . . . .	723.30	80,043.36	1,020.18	3,465.95	568.21
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
For depreciation . . . . .	772.63	8,643.68	4,341.78	9,161.13	5,899.82
Other reserves . . . . .	30.00		46.17		689.12
Total reserves . . . . .	4,195.46	12,659.65	12,256.14	22,178.45	39,673.95
<b>SURPLUS</b>					
Debentures paid . . . . .	3,290.94	6,826.43	3,309.24	6,101.23	11,423.24
Local sinking fund . . . . .					
Operating surplus . . . . .	5,821.75	15,834.61	12,018.43	7,111.33	29,836.44
Total surplus . . . . .	9,112.69	22,661.04	15,327.67	13,212.56	41,259.68
Total liabilities, reserves and surplus . . . . .	14,031.45	115,364.05	28,603.99	38,856.96	81,501.84
Percentage of net debt to total assets . . . . .	6.8	71.9	4.5	13.4	1.2

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Drumbo P.V.	Dublin P.V.	Dundas 5,001	Dunnville 3,916	Dutton 830	East York Twp.	Elmira 2,068
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		16,659.29	3,495.43	75.11	25,915.38	7,458.03
		13,999.39	39,710.85		8,893.55	
4,737.26	5,886.34	53,847.47	41,353.79	10,090.30	357,732.33	36,929.07
						540.21
1,801.50	1,354.25	25,183.98	23,042.00	4,061.79	101,920.40	21,120.00
2,181.86	1,135.99	26,480.46	21,278.18	3,630.46	162,955.65	14,871.29
284.27	544.86	11,535.93	9,683.03	754.38	29,689.30	2,288.27
		1,154.52				
235.58	835.92	6,155.15	7,679.36	307.03	31,905.64	1,177.72
		1,867.38	10,717.62			2,168.08
9,240.47	9,757.36	156,883.57	156,960.26	18,919.07	719,012.25	86,552.67
4,532.28	696.16	6,250.43	6,838.78		15,448.71	599.56
2,000.00	1,200.00	21,500.00	15,000.00	7,500.00	2,000.00	12,000.00
521.62	89.63	814.97	912.26	7.80	6,275.93	729.43
		334.06	2,053.49		8,498.80	
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
		327.76	0.28		748.93	
23,138.82	17,636.93	330,780.10	246,026.75	46,855.56	1,036,266.87	179,415.31
23,138.82	17,636.93	330,780.10	246,026.75	46,855.56	1,036,266.87	179,415.31
797.17		4,687.85	24,043.78		118,082.33	8,387.63
54.75	37.25	412.81	141.33		49,203.01	5.00
				85.02		
	11.00	8,697.36	2,164.46	212.36	16,485.77	785.65
851.92	48.25	13,798.02	26,349.57	297.38	183,771.11	9,178.28
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
5,556.86	5,426.85	70,637.34	43,204.61	9,865.50	120,497.49	29,929.39
		370.56		34.22	2,384.00	
12,401.31	11,320.63	215,677.21	107,466.29	30,328.41	407,163.74	109,463.04
3,702.83	6,200.00	48,312.15	51,456.22	8,407.49	238,985.45	28,780.87
6,182.76	68.05	52,992.72	60,754.67	7,822.28	206,346.57	31,993.12
9,885.59	6,268.05	101,304.87	112,210.89	16,229.77	445,332.02	60,773.99
23,138.82	17,636.93	330,780.10	246,026.75	46,855.56	1,036,266.87	179,415.31
5.2	0.4	6.8	14.5	1.1	24.4	9.2

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Elora	Embro	Erieau	Erie Beach †21	Essex
Population.....	1,185	420	*281		1,886
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,524.54				
Substation equipment.....					
Distribution system—overhead....	18,493.05	10,563.04	11,452.99	2,598.33	39,919.69
Distribution system—underground					442.55
Line transformers.....	8,001.79	4,420.62	2,495.04	925.32	18,462.13
Meters.....	7,006.05	2,489.61	3,262.71	900.39	13,099.21
Street light equipment, regular....	1,298.49	535.73	435.74		1,655.38
Street light equipment, ornamental					7,205.06
Miscellaneous construction expense	1,127.81	69.45	379.90	375.03	1,140.90
Steam or hydraulic plant.....					
Old plant.....		429.25			
Total plant.....	37,461.73	18,507.70	18,026.38	4,799.07	81,924.92
Bank and cash balance.....	552.87	235.02		1,634.15	3,963.78
Securities and investments.....	10,500.00	2,500.00			20,000.00
Accounts receivable.....	37.63	70.81	185.39	111.73	1,156.93
Inventories.....	273.39				
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
Other assets.....	148.20				
Total assets.....	87,235.70	32,925.65	24,878.60	8,231.73	139,346.87
Deficit.....					
Total.....	87,235.70	32,925.65	24,878.60	8,231.73	139,346.87
LIABILITIES					
Debenture balance.....			1,130.88	1,192.27	14,114.35
Accounts payable.....		456.74	227.96	78.85	115.51
Bank overdraft.....			75.38		
Other liabilities.....	141.25		50.00		7,837.26
Total liabilities.....	141.25	456.74	1,484.22	1,271.12	22,067.12
RESERVES					
For equity in H-E.P.C. systems....	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
For depreciation.....	17,841.96	6,494.94	4,966.42	775.53	24,871.35
Other reserves.....		32.23	73.02		524.74
Total reserves.....	56,103.84	18,139.29	11,706.27	2,462.31	57,697.33
SURPLUS					
Debentures paid.....	13,000.00	7,500.00	5,752.25	2,107.73	8,385.65
Local sinking fund.....					
Operating surplus.....	17,990.61	6,829.62	5,935.86	2,390.57	51,196.77
Total surplus.....	30,990.61	14,329.62	11,688.11	4,498.30	59,582.42
Total liabilities, reserves and surplus.	87,235.70	32,925.65	24,878.60	8,231.73	139,346.87
Percentage of net debt to total assets	0.3	2.1	8.1	19.4	14.9

\*Summer Population 1,031.

†Summer Population 321.



## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Etobicoke Twp.	Exeter 1,654	Fergus 2,759	Fonthill 860	Forest 1,562	Forest Hill 12,172	Galt 14,584
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
34,294.67	3,335.73			6,517.57	33,312.27	202,082.05
					80,767.90	143,168.03
330,782.33	32,758.97	35,467.10	12,538.01	23,333.91	193,239.98	272,759.13
					2,169.95	3,381.92
107,742.71	12,782.95	21,930.06	6,090.42	12,429.13	108,585.46	130,912.65
82,506.36	9,619.98	14,823.50	5,387.49	11,488.49	63,420.81	83,414.90
15,754.66	4,902.87	6,126.75	1,801.02	2,663.94	9,477.67	72,411.97
2,689.44					16,795.63	
19,205.18	2,509.35	681.27	288.45	1,693.69	20,251.32	23,720.98
		2,546.59	3,500.00	11,042.87		
592,975.35	65,909.85	81,575.27	29,605.39	69,169.60	528,020.99	931,851.63
2,704.49	2,168.25	3,190.61	2,506.22	1,029.27	14,475.49	275.00
	14,500.00	3,000.00		14,510.00	6,000.00	62,000.00
19,905.32	1,688.73	1,108.45	77.55	1,519.26	1,335.59	49,865.64
12,470.08	1,728.93	145.97		3,159.87		36,607.96
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
191.58	0.06	171.67			280.38	
853,891.17	129,353.56	153,866.55	38,741.57	123,747.76	723,533.10	1,643,017.60
853,891.17	129,353.56	153,866.55	38,741.57	123,747.76	723,533.10	1,643,017.60
79,869.80		7,857.56	7,146.69	2,540.72	286,042.68	19,676.13
45,339.20	361.86	559.05	412.89	180.95	2,923.35	30,226.57
8,368.84						30,961.56
11,148.30	351.50	349.25	384.30	141.76	29,857.51	3,355.44
144,726.14	713.36	8,765.86	7,943.88	2,863.43	318,823.54	84,219.70
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
132,539.69	19,411.83	15,186.24	3,993.90	20,936.06	107,034.30	357,760.42
7,795.77	534.61	281.20		117.92	750.00	27,920.41
365,979.81	63,304.18	80,142.02	10,546.31	55,413.74	281,204.95	948,098.20
185,825.60	20,000.05	34,142.44	15,353.31	31,859.28	76,738.92	498,325.82
157,359.62	45,335.97	30,816.23	4,898.07	33,611.31	46,765.69	112,373.88
343,185.22	65,336.02	64,958.67	20,251.38	65,470.59	123,504.61	610,699.70
853,891.17	129,353.56	153,866.55	38,741.57	123,747.76	723,533.10	1,643,017.60
22.7	0.8	9.8	24.7	3.2	56.6	7.8

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	George- town	Glencoe	Goderich	Granton	Guelph
Population.....	2,452	763	4,674	P.V.	22,500
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,370.88	3,407.70	13,569.89		14,049.42
Substation equipment.....			34,402.48		164,470.40
Distribution system—overhead.....	37,143.16	22,888.54	72,886.99	4,479.92	246,785.23
Distribution system—underground.....					27,689.74
Line transformers.....	26,081.47	7,511.85	22,998.93	1,696.30	117,500.28
Meters.....	16,042.58	4,741.44	22,352.21	1,654.60	112,905.17
Street light equipment, regular.....	4,570.34	2,106.42	9,159.76	180.78	45,009.49
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	2,486.56	3,479.13	6,877.47	113.08	13,381.81
Steam or hydraulic plant.....					
Old plant.....	2,209.80		14,622.15		
Total plant.....	91,904.79	44,135.08	196,869.88	8,124.68	741,791.54
Bank and cash balance.....	1,939.30	2,162.14	9,234.68	305.82	11,176.67
Securities and investments.....	11,857.69	7,000.00	31,500.00	4,200.00	20,000.00
Accounts receivable.....	768.09	645.71	924.80	32.65	8,614.73
Inventories.....		342.88	1,695.23		21,648.34
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
Other assets.....		13.22			37.44
Total assets.....	213,442.25	75,385.59	367,545.06	21,007.95	1,489,286.86
Deficit.....					
Total.....	213,442.25	75,385.59	367,545.06	21,007.95	1,489,286.86
<b>LIABILITIES</b>					
Debenture balance.....	2,663.85		27,581.83	881.59	
Accounts payable.....	315.20	81.30	743.35	332.83	31,181.59
Bank overdraft.....					
Other liabilities.....	1,808.66	121.59	3,125.32		2,823.95
Total liabilities.....	4,787.71	202.89	31,450.50	1,214.42	34,005.54
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
For depreciation.....	22,707.88	14,818.70	98,372.60	3,831.31	159,392.64
Other reserves.....		355.34	888.67	60.00	1,126.70
Total reserves.....	129,680.26	36,260.60	226,581.74	12,236.11	846,537.48
<b>SURPLUS</b>					
Debentures paid.....	17,336.15	20,112.88	68,506.22	2,618.41	145,000.00
Local sinking fund.....					
Operating surplus.....	61,638.13	18,809.22	41,006.60	4,939.01	463,743.84
Total surplus.....	78,974.28	38,922.10	109,512.82	7,557.42	608,743.84
Total liabilities, reserves and surplus.....	213,442.25	75,385.59	367,545.06	21,007.95	1,489,286.86
Percentage of net debt to total assets.....	4.5	0.4	13.1	9.6	4.2

“A”—Continued

Hydro Municipalities as at December 31, 1941

Hagersville 1,369	Hamilton 155,511	Harriston 1,292	Harrow 1,092	Hensall 686	Hespeler 3,037
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
864.37	963,689.29	395.25	2,318.16		4,684.43
21,646.91	2,153,035.00	600.00			39,962.26
	1,287,734.71	22,998.68	19,992.46	12,645.26	32,243.30
	800,608.93				
11,762.60	931,616.09	8,463.85	11,031.57	6,811.35	27,790.41
9,881.64	794,479.36	9,563.60	8,020.87	4,050.80	14,221.94
1,135.27	286,490.04	1,332.00	943.46	612.83	8,160.72
1,013.92	125,503.90	970.57	1,050.77	649.33	1,445.43
		1,001.43		400.00	
46,304.71	7,348,157.32	45,325.38	43,357.29	25,169.57	128,508.49
3,469.38	127,892.95	806.49	1,289.34		5,236.38
21,000.00		7,500.00	500.00	8,500.00	10,000.00
153.50	414,569.08	161.06	465.65	198.40	987.17
12.81	202,783.97	131.23	262.67		511.17
	38,048.61				
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86
14.12	89,845.55	364.12			1,328.31
149,952.07	13,148,912.60	89,237.63	71,711.81	50,905.47	265,191.38
149,952.07	13,148,912.60	89,237.63	71,711.81	50,905.47	265,191.38
725.74	1,031,000.00	4,254.80		2,937.25	16,621.30
251.38	329,678.56		752.48	224.34	480.88
				300.04	
530.00	*633,920.02	125.82	495.00	58.00	15.00
1,507.12	2,044,598.58	4,380.62	1,247.48	3,519.63	17,117.18
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86
15,036.75	1,450,758.55	12,678.06	9,282.13	10,583.49	26,182.19
	764,928.32		136.30		203.73
94,034.30	7,143,301.99	47,627.41	35,255.29	27,620.99	145,005.78
7,274.26	2,979,275.19	21,563.23	12,000.00	9,062.75	60,949.21
	38,048.61				
47,136.39	943,688.23	15,666.37	23,209.04	10,702.10	42,119.21
54,410.65	3,961,012.03	37,229.60	35,209.04	19,764.85	103,038.42
149,952.07	13,148,912.60	89,237.63	71,711.81	50,905.47	265,191.38
2.1	24.5	8.1	2.7	10.4	11.7

\*\$100,000 balance re purchase agreement.



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Highgate	Humber- stone	Ingersoll	Jarvis	Kings- ville
Population.....	322	2,831	5,756	536	2,453
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			15,149.95		8,592.27
Substation equipment.....			51,589.37		
Distribution system—overhead.....	8,693.72	24,139.23	59,185.22	10,011.40	34,774.51
Distribution system—underground.....					
Line transformers.....	2,109.25	13,475.58	36,863.55	3,151.56	16,840.18
Meters.....	1,863.97	10,308.84	29,743.51	3,036.55	15,895.59
Street light equipment, regular....	453.91	943.79	4,988.75	929.54	1,470.29
Street light equipment, ornamental.....			4,597.59		19,200.00
Miscellaneous construction expense.....	491.60	3,506.72	10,212.66	615.67	703.62
Steam or hydraulic plant.....					
Old plant.....			19,098.54		
Total plant.....	13,612.45	52,374.16	231,429.14	17,744.72	97,476.46
Bank and cash balance.....	363.77	1,890.63	7,990.38	1,351.85	2,869.34
Securities and investments.....	3,500.00	18,000.00	9,337.43	9,000.00	20,500.00
Accounts receivable.....	53.36	273.80	1,405.80	37.71	280.92
Inventories.....			1,617.84		117.18
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	10,017.88	21,886.02	189,955.48	15,550.38	42,227.98
Other assets.....			2,220.17	36.50	
Total assets.....	27,547.46	94,424.61	443,956.24	43,721.16	163,471.88
Deficit.....					
Total.....	27,547.46	94,424.61	443,956.24	43,721.16	163,471.88
<b>LIABILITIES</b>					
Debenture balance.....		6,000.00		1,622.24	21,545.15
Accounts payable.....		7.88	26,361.48	23.31	
Bank overdraft.....					
Other liabilities.....	70.00	1,864.12	6,644.33		22,177.36
Total liabilities.....	70.00	7,872.00	33,005.81	1,645.55	43,722.51
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	10,017.88	21,886.02	189,955.48	15,550.38	42,227.98
For depreciation.....	6,295.58	6,767.03	23,356.40	5,879.99	29,372.79
Other reserves.....			636.64		377.90
Total reserves.....	16,313.46	28,653.05	213,948.52	21,430.37	71,978.67
<b>SURPLUS</b>					
Debentures paid.....	5,000.00	26,000.00	79,800.00	8,877.76	11,954.85
Local sinking fund.....					
Operating surplus.....	6,164.00	31,899.56	117,201.91	11,767.48	35,815.85
Total surplus.....	11,164.00	57,899.56	197,001.91	20,645.24	47,770.70
Total liabilities, reserves and surplus.....	27,547.46	94,424.61	443,956.24	43,721.16	163,471.88
Percentage of net debt to total assets.....	0.4	10.9	1.5	5.8	24.0

“A”—Continued

Hydro Municipalities as at December 31, 1941

Kitchener	Lambeth	La Salle	Leamington	Listowel	London
33,281	P.V.	907	6,048	2,984	75,176
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
245,958.43		1,210.68	18,580.07	1,459.49	457,446.15
419,493.60			7,101.97		1,045,652.17
413,360.89	9,088.49	21,926.91	64,648.74	47,754.93	823,429.03
61,246.09			17,209.04	5,522.87	390,711.88
226,970.70	1,883.12	6,775.22	26,831.18	23,567.43	403,746.57
234,286.56	2,751.69	5,006.49	29,488.53	18,513.24	394,813.96
74,941.12	1,052.75	1,054.22	1,499.75	3,151.12	72,936.16
126,922.86			15,178.49	1,539.79	92,286.12
15,847.99	315.71	1,966.78	2,459.17	2,638.33	156,190.42
52,363.91				4,745.30	
1,871,392.15	15,091.76	37,940.30	182,996.94	108,892.50	3,837,212.46
35,065.28	47.65	2,625.68	1,920.96	1,741.86	18,966.64
50,000.00	2,000.00	3,000.00	34,500.00	11,000.00	100,000.00
77,242.78	465.05	243.26	582.01	733.46	243,841.49
28,651.19		33.45		248.85	80,936.91
					523,372.18
1,341,970.74	10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36
1,353.68			345.44	13.05	1,818.11
3,405,675.82	27,650.01	58,381.30	310,085.73	202,444.48	7,331,280.15
3,405,675.82	27,650.01	58,381.30	310,085.73	202,444.48	7,331,280.15
252,222.16		4,682.61			447,757.78
76,814.28	50.68	203.50	920.73	0.41	41,821.81
128,327.98	160.00	888.82	18,458.65	1,985.86	99,045.62
457,364.42	210.68	5,774.93	19,379.38	1,986.27	588,625.21
1,341,970.74	10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36
484,989.59	5,932.30	12,647.84	43,291.41	47,825.59	1,479,040.62
7,445.48	42.08	207.00	198.49		106,112.24
1,834,405.81	16,019.93	27,393.45	133,230.28	127,640.35	4,110,285.22
484,927.84	4,000.00	10,817.39	48,000.00	43,189.89	1,134,142.22
628,977.75	7,419.40	14,395.53	109,476.07	29,627.97	523,372.18
					974,855.32
1,113,905.59	11,419.40	25,212.92	157,476.07	72,817.86	2,632,369.72
3,405,675.82	27,650.01	58,381.30	310,085.73	202,444.48	7,331,280.15
11.1	1.2	13.2	2.0	0.4	0.0

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	London Twp.	Long Branch 5,147	Lucan 643	Lynden P.V.	Markham 1,197
Population.....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			375.45	241.18	
Substation equipment.....					
Distribution system—overhead.....	23,232.63	60,914.51	11,624.84	4,869.69	19,354.48
Distribution system—underground.....					
Line transformers.....	8,493.01	17,411.95	4,152.16	3,136.23	10,093.35
Meters.....	6,408.06	21,897.54	4,013.48	2,223.24	7,298.12
Street light equipment, regular.....	1,692.66	5,371.96	4,549.30	354.06	833.91
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,733.81	2,692.55	918.28	243.57	1,305.71
Steam or hydraulic plant.....					
Old plant.....	1,733.80		2,860.45		
Total plant.....	43,293.97	108,288.51	28,493.96	11,067.97	38,885.57
Bank and cash balance.....		1,522.80	10.00	862.46	435.19
Securities and investments.....			6,000.00	1,000.00	9,000.00
Accounts receivable.....	501.66	10,861.92	39.10	38.24	187.36
Inventories.....					
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	21,115.02	26,786.08	18,970.90	13,510.90	19,706.42
Other assets.....	509.31				118.39
Total assets.....	65,419.96	147,459.31	53,513.96	26,479.57	68,332.93
Deficit.....					
Total.....	65,419.96	147,459.31	53,513.96	26,479.57	68,332.93
<b>LIABILITIES</b>					
Debenture balance.....	2,733.48	8,445.96	1,729.93	1,084.41	
Accounts payable.....	216.69	3,060.31	129.27	23.10	
Bank overdraft.....	922.92		699.29		
Other liabilities.....	3,509.31	3,009.28	155.00		281.00
Total liabilities.....	7,382.40	14,515.55	2,713.49	1,107.51	281.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	21,115.02	26,786.08	18,970.90	13,510.90	19,706.42
For depreciation.....	11,124.63	24,166.13	8,394.04	3,763.43	8,281.78
Other reserves.....	3.82	343.40			117.26
Total reserves.....	32,243.47	51,295.61	27,364.94	17,274.33	28,105.46
<b>SURPLUS</b>					
Debentures paid.....	16,266.52	31,858.64	9,483.69	3,410.59	11,373.63
Local sinking fund.....					
Operating surplus.....	9,527.57	49,789.51	13,951.84	4,687.14	28,572.84
Total surplus.....	25,794.09	81,648.15	23,435.53	8,097.73	39,946.47
Total liabilities, reserves and surplus.....	65,419.96	147,459.31	53,513.96	26,479.57	68,332.93
Percentage of net debt to total assets.....	16.7	12.0	7.9	8.5	0.6



## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Merlin P.V.	Merritton 2,916	Milton 1,915	Milverton 994	Mimico 7,194	Mitchell 1,670	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	6,764.41	13,824.55	761.88	20,455.40	18,438.97	.....
8,903.06	84,998.26	16,418.16	.....	40,791.96	16,616.28	.....
.....	42,100.17	23,462.98	12,700.06	81,369.66	33,048.01	3,132.90
.....	.....	.....	.....	.....	.....	.....
3,631.86	12,860.16	16,595.97	8,101.30	41,151.36	14,904.31	1,211.63
2,616.30	16,618.26	15,111.33	5,299.58	32,995.63	13,159.02	1,368.73
570.46	4,909.52	5,416.33	788.75	10,167.55	7,132.20	295.88
.....	.....	.....	.....	.....	.....	.....
481.72	3,133.09	3,778.91	604.79	9,866.38	2,003.49	355.00
.....	.....	.....	.....	.....	.....	.....
241.85	.....	3,092.54	.....	.....	1,380.00	.....
.....	.....	.....	.....	.....	.....	.....
16,445.25	171,383.87	97,700.77	28,256.36	236,797.94	106,682.28	6,364.14
.....	.....	.....	.....	.....	.....	.....
1,195.36	17,145.35	2,048.56	864.39	15,154.32	833.08	1,342.99
9,000.00	5,000.00	5,000.00	5,500.00	14,000.00	7,450.00	2,000.00
11.94	259.20	644.56	343.74	1,132.07	9,050.75	11.88
.....	.....	3,748.76	.....	.....	6,134.27	.....
.....	.....	.....	.....	.....	.....	.....
12,002.59	157,654.06	103,199.27	43,857.36	145,326.44	45,458.13	6,336.97
.....	.....	7.98	.....	268.70	.....	.....
.....	.....	.....	.....	.....	.....	.....
38,655.14	351,442.48	212,349.90	78,821.85	412,679.47	175,608.51	16,055.98
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
38,655.14	351,442.48	212,349.90	78,821.85	412,679.47	175,608.51	16,055.98
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
699.53	4,641.88	1,133.15	.....	32,436.65	.....	.....
171.42	2,224.61	342.21	355.80	5.00	203.56	23.98
.....	.....	.....	.....	.....	.....	.....
80.00	.....	589.12	.....	7,288.44	293.00	.....
.....	.....	.....	.....	.....	.....	.....
950.95	6,866.49	2,064.48	355.80	39,730.09	496.56	23.98
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
12,002.59	157,654.06	103,199.27	43,857.36	145,326.44	45,458.13	6,336.97
4,864.36	26,327.19	24,820.49	8,019.98	75,431.59	42,825.70	3,630.93
23.40	.....	197.89	.....	830.96	2,505.59	.....
.....	.....	.....	.....	.....	.....	.....
16,890.35	183,981.25	128,217.65	51,877.34	221,588.99	90,789.42	9,967.90
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
12,664.68	27,544.33	31,913.26	9,500.00	94,563.35	22,295.22	4,500.00
.....	.....	.....	.....	.....	.....	.....
8,149.16	133,050.41	50,154.51	17,088.71	56,797.04	62,027.31	1,564.10
.....	.....	.....	.....	.....	.....	.....
20,813.84	160,594.74	82,067.77	26,588.71	151,360.39	84,322.53	6,064.10
.....	.....	.....	.....	.....	.....	.....
38,655.14	351,442.48	212,349.90	78,821.85	412,679.47	175,608.51	16,055.98
.....	.....	.....	.....	.....	.....	.....
3.6	3.5	1.9	1.0	14.9	0.4	0.2

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Mount Brydges P.V.	Newbury 288	New Hamburg 1,441	New Toronto 7,514	Niagara Falls 18,770
Population.....					
<b>ASSETS</b>	<b>\$ c</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			2,513.19	44,924.94	131,722.10
Substation equipment.....			1,217.05		241,830.78
Distribution system—overhead....	7,687.41	6,945.58	25,083.15	96,135.60	206,307.12
Distribution system—underground				8,925.63	
Line transformers.....	1,845.43	1,768.11	9,871.11	44,748.52	187,857.89
Meters.....	2,788.12	1,406.91	10,135.06	41,322.24	122,161.95
Street light equipment, regular....	1,385.36	881.47	2,248.20	14,721.65	120,246.39
Street light equipment, ornamental					
Miscellaneous construction expense	138.88	623.93	595.92	8,265.57	27,037.71
Steam or hydraulic plant.....					1,200.00
Old plant.....		348.22	5,242.56		
Total plant.....	13,845.20	11,974.22	56,906.24	259,044.15	1,038,363.94
Bank and cash balance.....	1,744.78	1,447.55	659.34	25,268.73	68,277.30
Securities and investments.....	8,000.00	1,500.00	9,000.00	32,000.00	90,000.00
Accounts receivable.....	1,034.54	751.44	405.19	2,277.13	8,200.64
Inventories.....			640.29	5,268.56	10,616.29
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	7,858.41	4,624.01	50,345.75	456,630.38	582,348.01
Other assets.....		79.57	15.15		26.17
Total assets.....	32,482.93	20,376.79	117,971.96	780,488.95	1,797,832.38
Deficit.....					
Total.....	32,482.93	20,376.79	117,971.96	780,488.95	1,797,832.38
<b>LIABILITIES</b>					
Debenture balance.....	783.39			967.65	105,102.74
Accounts payable.....	622.16	20.93	926.38	707.58	4,824.64
Bank overdraft.....					
Other liabilities.....	161.95	30.00	245.00	7,488.56	17,893.55
Total liabilities.....	1,567.50	50.93	1,171.38	9,163.79	127,820.94
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	7,858.41	4,624.01	50,345.75	456,630.38	582,348.01
For depreciation.....	4,840.30	4,952.91	18,380.81	74,409.14	303,404.84
Other reserves.....	97.38		33.83	1,431.92	13,835.55
Total reserves.....	12,796.09	9,576.92	68,760.39	532,471.44	899,588.40
<b>SURPLUS</b>					
Debentures paid.....	3,436.61	9,754.39	17,729.08	7,032.35	585,140.24
Local sinking fund.....					
Operating surplus.....	14,682.73	994.55	30,311.11	231,821.37	185,282.74
Total surplus.....	18,119.34	10,748.94	48,040.19	238,853.72	770,423.00
Total liabilities, reserves and surplus.	32,482.93	20,376.79	117,971.96	780,488.95	1,797,832.38
Percentage of net debt to total assets	6.4	0.3	17.3	2.8	10.5

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Niagara-on-the-Lake 1,764	North York Twp.	Norwich 1,301	Oil Springs 541	Otterville P.V.	Palmerston 1,400	Paris 4,427
\$ c. 2,307.35 17,134.92 35,977.81	\$ c. 28,797.82 485,549.87	\$ c. 4,660.42 12,076.99	\$ c. 6,299.16 14,906.26	\$ c. 8,697.38	\$ c. 1,346.28 33,260.03	\$ c. 8,781.50 28,131.05 56,640.26
17,188.86 11,574.23 3,538.76	144,703.62 96,557.18 156.00	7,658.58 8,395.01 4,685.64	6,308.23 4,034.38 308.24	4,428.89 3,375.97 1,684.17	11,359.59 8,480.95 6,818.19	25,652.29 21,681.48 14,084.12
21,090.84 2,805.67	27,923.24	1,575.05	1,722.36	142.00	929.76	3,149.25
		3,509.82			4,018.71	
90,527.60	804,778.57	42,561.51	33,578.63	18,328.41	66,213.51	158,119.95
2,463.39	13,259.88	533.21	1,320.99	1,276.27	602.07	9,984.58
		7,000.00	2,000.00	2,480.00	1,500.00	33,500.00
2,770.87	13,026.67	2,493.19	81.88	1,059.77	784.27	1,366.11
6,369.20	360.96	3,136.76	141.31		2,051.24	132.71
31,866.13 309.83	151,226.34	37,370.83	25,333.44	9,033.30	43,946.64 2,719.53	114,501.88 22.95
134,307.02	982,652.42	93,095.50	62,456.25	32,177.75	117,817.26	317,628.18
134,307.02	982,652.42	93,095.50	62,456.25	32,177.75	117,817.26	317,628.18
11,560.34 4,792.19	288,028.86 8,716.67	356.61 117.30	402.90	702.55	426.09 561.42	2,317.48 27.97
298.20	33,059.40	292.50	46.30	61.38	337.93	
16,650.73	329,804.93	766.41	449.20	763.93	1,325.44	2,345.45
31,866.13 19,860.67 898.74	151,226.34 146,133.17 2,369.24	37,370.83 10,335.62 583.33	25,333.44 10,389.66 90.03	9,033.30 6,967.18	43,946.64 11,882.70 420.07	114,501.88 84,235.93 76.47
52,625.54	299,728.75	48,289.78	35,813.13	16,000.48	56,249.41	198,814.28
24,941.08	239,993.01	13,399.39	16,721.31	4,500.00	26,573.91	89,682.52
40,089.67	113,125.73	30,639.92	9,472.61	10,913.34	33,668.50	26,785.93
65,030.75	353,118.74	44,039.31	26,193.92	15,413.34	60,242.41	116,468.45
134,307.02	982,652.42	93,095.50	62,456.25	32,177.75	117,817.26	317,628.18
16.3	38.1	1.4	1.2	3.3	1.8	1.2



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population . . . . .	1,029	2,772	P.V.	1,175	6,772
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Land and buildings . . . . .		900.00			29,470.68
Substation equipment . . . . .		5,956.75			
Distribution system—overhead . . . . .	18,033.52	51,378.46	4,908.02	22,252.95	99,549.33
Distribution system—underground . . . . .					
Line transformers . . . . .	6,431.54	33,442.33	2,400.32	7,633.43	32,339.91
Meters . . . . .	4,933.62	17,469.43	2,540.27	6,286.08	27,230.30
Street light equipment, regular . . . . .	1,027.53	6,647.48	158.29	3,252.88	5,020.76
Street light equipment, ornamental . . . . .					16,611.59
Miscellaneous construction expense . . . . .	1,690.40	6,044.95	616.11	963.34	6,935.76
Steam or hydraulic plant . . . . .					
Old plant . . . . .		3,389.94			9,929.60
Total plant . . . . .	32,166.61	125,229.34	10,523.01	40,388.68	227,097.93
Bank and cash balance . . . . .		3,291.00	838.17	794.30	8,000.37
Securities and investments . . . . .	5,500.00	15,900.00	4,000.00	14,000.00	30,000.00
Accounts receivable . . . . .	556.43	2,253.77	20.54	811.37	19,565.63
Inventories . . . . .		533.11		1,115.95	6,949.63
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	19,407.00	103,674.76	9,255.14	60,672.83	99,465.26
Other assets . . . . .					
Total assets . . . . .	57,630.04	250,881.98	24,736.86	117,783.13	391,078.82
Deficit . . . . .					
Total . . . . .	57,630.04	250,881.98	24,736.86	117,783.13	391,078.82
<b>LIABILITIES</b>					
Debenture balance . . . . .	396.60	8,441.00	928.10	2,330.64	31,271.72
Accounts payable . . . . .	1,186.92	357.18	23.31	596.42	275.22
Bank overdraft . . . . .	316.66				
Other liabilities . . . . .	105.00	1,039.56		441.92	20,035.02
Total liabilities . . . . .	2,005.18	9,837.74	951.41	3,368.98	51,581.96
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	19,407.00	103,674.76	9,255.14	60,672.83	99,465.26
For depreciation . . . . .	9,408.18	43,855.44	4,216.40	16,554.82	63,625.09
Other reserves . . . . .		289.12		119.45	3,614.88
Total reserves . . . . .	28,815.18	147,819.32	13,471.54	77,347.10	166,705.23
<b>SURPLUS</b>					
Debentures paid . . . . .	14,233.42	41,559.00	4,308.90	14,669.36	114,728.28
Local sinking fund . . . . .					
Operating surplus . . . . .	12,576.26	51,665.92	6,005.01	22,397.69	58,063.35
Total surplus . . . . .	26,809.68	93,224.92	10,313.91	37,067.05	172,791.63
Total liabilities, reserves and surplus . . . . .	57,630.04	250,881.98	24,736.86	117,783.13	391,078.82
Percentage of net debt to total assets . . . . .	5.3	6.7	6.1	5.9	12.7

“A”—Continued

Hydro Municipalities as at December 31, 1941

Port Credit 1,906	Port Dalhousie 1,599	Port Dover 1,790	Port Rowan 700	Port Stanley 1,268	Preston 6,337	Princeton P.V.
\$ c. 675.00	\$ c.	\$ c. 248.75	\$ c.	\$ c. 1,574.60	\$ c.	\$ c.
35,143.71	22,786.93	35,939.94	10,313.03	27,358.66	57,024.08 90,418.36	4,447.86
13,945.85	14,016.57	13,656.32	1,883.34	13,698.19	55,746.21	2,975.16
13,316.62	12,753.28	10,352.91	2,594.10	12,124.33	41,769.15	1,488.24
5,180.06	1,041.19	2,767.73	893.23	2,145.89	5,592.76	207.93
2,184.41	2,720.76	3,672.34	743.11	7,930.16	8,491.75	101.73
	6,018.38			577.51	32,126.75	
70,445.65	59,337.11	66,637.99	16,426.81	65,409.34	291,169.06	9,220.92
3,626.67	1,464.42	1,934.85	1,307.11	789.51	7,389.66	792.62
	3,000.00	2,000.00	5,000.00	10,000.00	15,000.00	4,000.00
1,522.15	1,691.67	1,860.80	18.47	142.35	13,876.14	504.09
		50.58		14.00	6,561.51	
41,399.17	36,643.47	26,309.63 20.00	6,915.77	41,169.42	263,600.09 524.72	9,495.07
116,993.64	102,136.67	98,813.85	29,668.16	117,524.62	598,121.18	24,012.70
116,993.64	102,136.67	98,813.85	29,668.16	117,524.62	598,121.18	24,012.70
2,785.87	411.29		4,715.86		16,814.46	629.02
2,827.60	385.35	149.79		477.98	9,107.91	165.09
981.20	955.00	824.00	205.00	386.69	1,044.44	25.00
6,594.67	1,751.64	973.79	4,920.86	864.67	26,966.81	819.11
41,399.17	36,643.47	26,309.63	6,915.77	41,169.42	263,600.09	9,495.07
22,025.85	9,637.76	16,519.51	4,575.37	17,265.73	143,872.92	2,799.80
505.75	200.00			75.23	552.83	
63,930.77	46,481.23	42,829.14	11,491.14	58,510.38	408,025.84	12,294.87
11,714.13	22,088.71	29,000.00	6,284.14	18,950.00	135,985.54	2,920.98
34,754.07	31,815.09	26,010.92	6,972.02	39,199.57	27,142.99	7,977.74
46,468.20	53,903.80	55,010.92	13,256.16	58,149.57	163,128.53	10,898.72
116,993.64	102,136.67	98,813.85	29,668.16	117,524.62	598,121.18	24,012.70
8.7	2.7	1.3	21.6	1.1	8.1	5.6

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality .....	Queenston	Richmond Hill	Ridge-town	Riverside	Rockwood
Population .....	P.V.	1,317	1,986	5,235	P.V.
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>ASSETS</b>					
Lands and buildings .....			3,171.88	8,962.98	79.00
Substation equipment .....		600.00	1,024.24		
Distribution system—overhead .....	8,611.98	11,897.70	24,146.02	94,193.09	9,056.18
Distribution system—underground					
Line transformers .....	3,281.64	11,154.98	12,534.81	31,724.00	3,490.91
Meters .....	1,863.98	6,891.76	10,496.36	27,699.45	3,434.79
Street light equipment, regular .....	435.63	1,334.77	6,709.88		731.82
Street light equipment, ornamental			1,431.73	19,163.24	
Miscellaneous construction expense	2,610.16	965.63	1,131.27	6,964.75	528.96
Steam or hydraulic plant .....					
Old plant .....			5,088.46		
<b>Total plant .....</b>	<b>16,803.39</b>	<b>32,844.84</b>	<b>65,734.65</b>	<b>188,707.51</b>	<b>17,321.66</b>
Bank and cash balance .....	1,803.47	1,039.04	677.52	100.00	542.42
Securities and investments .....	1,000.00	1,500.00	7,000.00	18,000.00	1,300.00
Accounts receivable .....	127.38	369.68	1,206.08	11,339.27	33.47
Inventories .....		99.01	373.20	953.50	186.94
Sinking fund on local debentures					
Equity in H-E.P.C. systems .....	7,041.01	19,995.85	43,262.80	82,931.61	11,441.19
Other assets .....					53.65
<b>Total assets .....</b>	<b>26,775.25</b>	<b>55,848.42</b>	<b>118,254.25</b>	<b>302,031.89</b>	<b>30,879.33</b>
Deficit .....					
<b>Total .....</b>	<b>26,775.25</b>	<b>55,848.42</b>	<b>118,254.25</b>	<b>302,031.89</b>	<b>30,879.33</b>
<b>LIABILITIES</b>					
Debtenture balance .....	778.42	605.24	2,643.40	14,437.50	1,549.03
Accounts payable .....	14.97	505.07	1,924.40	3,948.85	44.82
Bank overdraft .....				519.35	
Other liabilities .....	70.00	541.09	2,258.21	21,560.03	106.00
<b>Total liabilities .....</b>	<b>863.39</b>	<b>1,651.40</b>	<b>6,826.01</b>	<b>40,465.73</b>	<b>1,699.85</b>
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	7,041.01	19,995.85	43,262.80	82,931.61	11,441.19
For depreciation .....	4,803.42	3,155.36	18,502.35	47,330.45	6,517.57
Other reserves .....		69.37	270.63	3,838.39	
<b>Total reserves .....</b>	<b>11,844.43</b>	<b>23,220.58</b>	<b>62,035.78</b>	<b>134,100.45</b>	<b>17,958.76</b>
<b>SURPLUS</b>					
Debentures paid .....	8,721.58	11,594.76	16,812.59	68,062.50	2,950.97
Local sinking fund .....					
Operating surplus .....	5,345.85	19,381.68	32,579.87	59,403.21	8,269.75
<b>Total surplus .....</b>	<b>14,067.43</b>	<b>30,976.44</b>	<b>49,392.46</b>	<b>127,465.71</b>	<b>11,220.72</b>
<b>Total liabilities, reserves and surplus .....</b>	<b>26,775.25</b>	<b>55,848.42</b>	<b>118,254.25</b>	<b>302,031.89</b>	<b>30,879.33</b>
Percentage of net debt to total assets	4.4	4.6	7.3	10.7	8.7



## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Rodney 758	St. Catharines 28,625	St. Clair Beach †138	St. George P.V.	St. Jacobs P.V.	St. Marys 4,009
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,346.23	55,475.10 150,594.96 271,839.69	8,828.86	6,096.08	7,492.46	18,538.13 32,059.00 64,376.41
3,729.82	188,178.53	3,062.85	4,038.89	4,461.56	26,531.91
3,923.71	130,876.51	1,958.87	3,513.85	3,616.38	26,767.22
3,533.02	22,095.62		337.24	396.19	6,618.04
	29,486.71				
937.37	31,654.48	162.07	374.18	545.66	9,701.03
700.00	*63,507.89				20,696.85
25,170.15	943,709.49	14,012.65	14,360.24	16,512.25	205,288.59
287.86	29,463.16	699.43	1,121.52		1,209.25
2,700.00		1,500.00	4,000.00	6,000.00	5,000.00
71.53	62,931.98	306.24	56.35	1.81	1,313.84
	15,942.15				850.76
	103,687.22				2,299.37
13,727.62	606,105.83	6,884.45	14,298.84	16,507.17	134,689.05
	160.16				11.91
41,957.16	1,761,999.99	23,402.77	33,836.95	39,021.23	350,662.77
41,957.16	1,761,999.99	23,402.77	33,836.95	39,021.23	350,662.77
	149,250.00		1,124.12		19,325.06
	59,491.24	291.88	1.38	1,226.38	449.67
				134.39	
270.00	29,899.21	112.18	181.24		759.00
270.00	238,640.45	404.06	1,306.74	1,360.77	20,533.73
13,727.62	606,105.83	6,884.45	14,298.84	16,507.17	134,689.05
3,748.30	252,291.44	4,854.74	3,495.05	3,261.23	72,567.41
70.04	9,901.77	49.50			660.52
17,545.96	868,299.04	11,788.69	17,793.89	19,768.40	207,916.98
8,500.00	152,772.91	6,341.45	4,875.88	6,000.00	94,921.96
	103,687.22				2,299.37
15,641.20	398,600.37	4,868.57	9,860.44	11,892.06	24,990.73
24,141.20	655,060.50	11,210.02	14,736.32	17,892.06	122,212.06
41,957.16	1,761,999.99	23,402.77	33,836.95	39,021.23	350,662.77
1.0	10.3	2.4	6.7	6.0	8.5

\*Includes \$46,000 other plants not distributed.

†Summer population 288.

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	St. Thomas	Sarnia	Scarborough Twp.	Seaforth
Population . . . . .	16,461	17,979		1,782
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	78,729.06	119,220.75	20,054.77	1,836.39
Substation equipment . . . . .	131,439.58	225,722.39	14,934.92	6,055.81
Distribution system—overhead . . . . .	125,303.74	231,776.13	318,135.25	32,316.61
Distribution system—underground . . . . .	52,815.87			
Line transformers . . . . .	70,991.53	91,757.17	87,302.30	12,416.74
Meters . . . . .	78,415.33	84,715.44	80,973.51	10,180.57
Street light equipment, regular . . . . .	22,390.07	27,722.54	21,400.43	5,789.27
Street light equipment, ornamental . . . . .	3,693.04	8,271.83		
Miscellaneous construction expense . . . . .	16,911.82	23,781.32	6,950.86	1,559.37
Steam or hydraulic plant . . . . .				
Old plant . . . . .		55,445.72		
Total plant . . . . .	580,690.04	868,413.29	549,752.04	70,154.76
Bank and cash balance . . . . .	2,408.27	23,828.80	32,031.55	1,947.88
Securities and investments . . . . .	63,000.00	115,000.00	60,000.00	1,100.00
Accounts receivable . . . . .	19,005.39	22,297.78	14,257.60	1,320.79
Inventories . . . . .	10,868.68	22,977.65		1,812.66
Sinking fund on local debentures . . . . .				
Equity in H-E.P.C. systems . . . . .	501,254.59	630,494.15	190,289.32	62,103.34
Other assets . . . . .			50.51	
Total assets . . . . .	1,177,226.97	1,683,011.67	846,381.02	138,439.43
Deficit . . . . .				
Total . . . . .	1,177,226.97	1,683,011.67	846,381.02	138,439.43
<b>LIABILITIES</b>				
Debenture balance . . . . .		9,030.46	63,449.90	
Accounts payable . . . . .	6,049.62	17.00	13,568.87	159.66
Bank overdraft . . . . .				
Other liabilities . . . . .	16,281.46	16,391.62	40,012.96	370.84
Total liabilities . . . . .	22,331.08	25,439.08	117,031.73	530.50
<b>RESERVES</b>				
For equity in H-E.P.C. systems . . . . .	501,254.59	630,494.15	190,289.32	62,103.34
For depreciation . . . . .	192,250.08	232,294.08	149,651.06	25,812.33
Other reserves . . . . .	513.36	2,638.65	821.86	333.66
Total reserves . . . . .	694,018.03	865,426.88	340,762.24	88,249.33
<b>SURPLUS</b>				
Debentures paid . . . . .	138,944.07	328,969.54	227,118.37	25,000.00
Local sinking fund . . . . .				
Operating surplus . . . . .	321,933.79	463,176.17	161,468.68	24,659.60
Total surplus . . . . .	460,877.86	792,145.71	388,587.05	49,659.60
Total liabilities, reserves and surplus . . . . .	1,177,226.97	1,683,011.67	846,381.02	138,439.43
Percentage of net debt to total assets . . . . .	2.8	1.6	17.8	0.7

“A”—Continued

Hydro Municipalities as at December 31, 1941

Simcoe 6,340	Smithville P.V.	Springfield 382	Stamford Twp.	Stouffville 1,198	Stratford 17,163	Strathroy 2,834
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,701.89			7,572.14		141,455.78	8,856.05
41,527.90			38,143.09		176,323.28	23,640.34
58,742.16	10,889.94	10,160.87	154,557.59	14,011.05	158,637.48	50,779.39
1,412.24					22,971.15	
42,439.49	4,118.05	3,003.15	58,110.24	5,583.04	106,077.31	25,821.55
36,460.19	4,285.39	2,273.09	44,060.59	6,112.24	88,863.62	18,158.55
8,352.17	1,630.00	609.47	10,531.38	1,613.55	25,809.76	6,238.53
3,500.00						
7,416.40	277.98	685.08	13,568.97	611.81	36,295.91	2,910.35
927.92	1,878.98		13,743.66		31,520.00	12,343.15
211,480.36	23,080.34	16,731.66	340,287.66	27,931.69	787,954.29	148,747.91
13,531.47	4,398.78	65.11	5,640.58	1,890.23	22,974.84	2,388.51
35,000.00		2,500.00		13,000.00	90,000.00	23,000.00
956.55	236.67	806.01	21,178.30	39.96	18,079.22	2,044.56
4,389.54			9,626.50		14,449.98	3,230.79
					171,324.14	
108,569.15		9,306.02	98,893.39	16,892.38	607,011.67	89,618.15
			664.49		1,242.93	1,062.33
373,927.07	27,715.79	29,408.80	476,290.92	59,754.26	1,713,037.07	270,092.25
373,927.07	27,715.79	29,408.80	476,290.92	59,754.26	1,713,037.07	270,092.25
25,037.12	7,792.03	1,880.97	72,475.72		215,000.00	19,732.57
1,142.83	57.81	9.08	5,255.81	101.79	1,325.37	304.10
4,088.06	80.00		5,192.47	315.60	5,609.64	1,012.49
30,268.01	7,929.84	1,890.05	82,924.00	417.39	221,935.01	21,049.16
108,569.15		9,306.02	98,893.39	16,892.38	607,011.67	89,618.15
34,970.15	5,442.91	2,573.46	70,451.83	5,589.62	347,924.71	44,402.87
15,000.00			3,950.10	46.82	4,330.80	1,129.76
153,539.30	5,442.91	11,879.48	173,295.32	22,528.82	959,267.18	135,150.78
50,397.78	7,207.97	7,619.03	167,802.45	14,673.90	240,800.00	46,499.43
134,721.98	7,135.07	8,020.24	52,269.15	22,134.15	171,324.14	67,392.88
185,119.76	14,343.04	15,639.27	220,071.60	36,808.05	119,710.74	113,892.31
373,927.07	27,715.79	29,408.80	476,290.92	59,754.26	531,834.88	270,092.25
10.2	29.0	9.4	21.9	0.9	5.4	11.7



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Streets- ville 697	Sutton	Swansea	Tavistock	Tecumseh
Population.....		949	6,606	1,080	2,237
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	8,483.49			3,640.33	1,232.16
Substation equipment.....	1,172.04				
Distribution system—overhead....	9,530.32	21,002.17	78,587.84	13,804.14	37,317.74
Distribution system—underground					
Line transformers.....	7,109.91	8,489.81	50,864.83	10,040.17	11,242.92
Meters.....	4,035.83	7,275.90	36,766.10	6,430.92	12,738.53
Street light equipment, regular....	1,619.31	1,932.90	10,681.49	1,102.93	
Street light equipment, ornamental					4,760.95
Miscellaneous construction expense	964.87	1,791.70	5,606.88	1,255.71	2,126.54
Steam or hydraulic plant.....	10,641.55				
Old plant.....		675.00			
Total plant.....	43,557.32	41,167.48	182,507.14	36,274.20	69,418.84
Bank and cash balance.....	1,376.39	3,729.47	4,730.66	273.68	2,377.11
Securities and investments.....	1,500.00	4,000.00	12,500.00	4,000.00	3,000.00
Accounts receivable.....	952.00	476.71	2,000.72	220.35	1,530.77
Inventories.....			34.11	514.26	
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	1,974.54	16,616.33	79,690.89	45,803.78	26,220.69
Other assets.....			60.00		
Total assets.....	49,360.25	65,989.99	281,523.52	87,086.27	102,547.41
Deficit.....					
Total.....	49,360.25	65,989.99	281,523.52	87,086.27	102,547.41
<b>LIABILITIES</b>					
Debenture balance.....	10,552.73	2,480.46	64,755.24	1,689.92	594.89
Accounts payable.....	204.54		2,265.76	479.82	1,601.96
Bank overdraft.....					
Other liabilities.....	228.87		5,490.93		5,626.26
Total liabilities.....	10,986.14	2,480.46	72,511.93	2,169.74	7,823.11
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	1,974.54	16,616.33	79,690.89	45,803.78	26,220.69
For depreciation.....	5,530.21	11,219.25	52,661.81	14,101.02	17,171.54
Other reserves.....	2.37	65.97	350.00		468.92
Total reserves.....	7,507.12	27,901.55	132,702.70	59,904.80	43,861.15
<b>SURPLUS</b>					
Debentures paid.....	6,992.35	23,519.54	37,911.72	4,310.08	25,405.11
Local sinking fund.....					
Operating surplus.....	23,874.64	12,088.44	38,397.17	20,701.65	25,458.04
Total surplus.....	30,866.99	35,607.98	76,308.89	25,011.73	50,863.15
Total liabilities, reserves and surplus.	49,360.25	65,989.99	281,523.52	87,086.27	102,547.41
Percentage of net debt to total assets	23.2	5.0	35.9	5.2	4.3

“A”—Continued

Hydro Municipalities as at December 31, 1941

Thamesford P.V.	Thamesville 816	Thedford 598	Thorndale P.V.	Thorold 5,080	Tilbury 1,989	Tillsonburg 4,602
\$ c.	\$ c. 681.69	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,779.31	12,956.91	9,912.07	3,836.96	42,712.58	17,636.81	51,142.35
3,845.07	5,364.88	3,798.95	2,045.45	23,816.58	14,850.39	23,172.79
3,221.29	4,610.19	2,862.42	1,942.10	23,642.39	8,016.94	23,017.08
298.97	2,267.33	903.22	181.19	3,244.74	1,080.92	12,363.19
443.14	537.84	1,553.05	310.45	3,709.02	1,975.56	4,397.80
	4,445.68	433.78		13,313.74		
				3,800.00	3,049.47	
15,587.78	30,864.52	19,463.49	8,316.15	124,502.42	58,322.56	140,804.07
	2,396.60	942.96	740.95	7,821.38	287.77	8,838.86
7,000.00	9,000.00	6,500.00	1,500.00	45,000.00	8,000.00	5,000.00
35.62	102.89	105.88	458.24	574.86	317.55	2,275.17
				3,584.42	5.99	3,601.88
17,277.84	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44	89,180.87
				150.22	0.48	
39,901.24	60,082.21	36,618.90	19,624.60	283,870.15	113,876.79	249,700.85
39,901.24	60,082.21	36,618.90	19,624.60	283,870.15	113,876.79	249,700.85
412.85			560.15		1,941.93	9,664.18
	53.61	107.22	1.71	566.13	296.88	41.48
219.86						
82.00	361.00	17.31	50.57	2,603.00	21.43	4,049.55
714.71	414.61	124.53	612.43	3,169.13	2,260.24	13,755.21
17,277.84	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44	89,180.87
6,181.71	11,459.14	5,482.56	4,621.84	40,025.10	17,932.27	31,934.49
	157.94		22.88		141.11	833.04
23,459.55	29,335.28	15,089.13	13,253.98	142,261.95	65,015.82	121,948.40
4,945.18	11,187.80	16,500.00	2,526.33	5,000.00	12,058.07	36,335.82
10,781.80	19,144.52	4,905.24	3,231.86	133,439.07	34,542.66	77,661.42
15,726.98	30,332.32	21,405.24	5,758.19	138,439.07	46,600.73	113,997.24
39,901.24	60,082.21	36,618.90	19,624.60	283,870.15	113,876.79	249,700.85
3.2	1.0	0.5	5.5	1.7	3.4	8.5

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Toronto	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2
Population.....	648,098			
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	5,536,677.50	7,283.72	156.34	
Substation equipment.....	14,879,238.48			
Distribution system—overhead.....	6,925,861.72	210,202.12	23,730.37	12,439.77
Distribution system underground.....	4,166,101.69			
Line transformers.....	3,565,762.70	80,629.68	10,799.87	2,712.64
Meters.....	3,072,334.28	46,160.95	5,516.81	1,739.86
Street light equipment, regular.....	507,915.20	5,446.76		
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	2,538,908.88	5,549.86	1,872.54	330.81
Steam or hydraulic plant.....				
Old plant.....		619.65		
Total plant.....	41,192,800.45	355,892.74	42,075.93	17,223.08
Bank and cash balance.....	1,535,325.23	6,671.06	2,589.88	1,302.29
Securities and investments.....	2,960,951.30	16,000.00	6,500.00	6,000.00
Accounts receivable.....	2,018,577.71	1,326.82	1,006.04	316.89
Inventories.....	781,630.98	39.50		
Sinking fund on local debentures.....	3,571,915.84			
Equity in H-E.P.C. systems.....	19,052,706.83	113,210.34	4,845.88	1,526.90
Other assets.....	813.52			
Total assets.....	71,114,721.86	493,140.46	57,017.73	26,369.16
Deficit.....				
Total.....	71,114,721.86	493,140.46	57,017.73	26,369.16
<b>LIABILITIES</b>				
Debenture balance.....	10,531,540.02	14,543.85	3,089.96	7,951.08
Accounts payable.....	1,573,325.03	2,510.83	119.44	177.60
Bank overdraft.....				
Other liabilities.....	150,021.93	3,977.12		
Total liabilities.....	12,254,886.98	21,031.80	3,209.40	8,128.68
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	19,052,706.83	113,210.34	4,845.88	1,526.90
For depreciation.....	10,772,949.40	149,550.45	20,583.11	4,028.15
Other reserves.....	1,243,016.31	773.15		
Total reserves.....	31,068,672.54	263,533.94	25,428.99	5,555.05
<b>SURPLUS</b>				
Debentures paid.....	20,124,761.01	89,456.15	16,336.45	1,510.07
Local sinking fund.....	3,571,915.84			
Operating surplus.....	4,094,485.49	119,118.57	12,042.89	11,175.36
Total surplus.....	27,791,162.34	208,574.72	28,379.34	12,685.43
Total liabilities, reserves and surplus.....	71,114,721.86	493,140.46	57,017.73	26,369.16
Percentage of net debt to total assets.....	17.9	5.5	6.1	32.7



## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,802	221	867	1,294	8,690	1,023	11,568
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
45,473.22		200.00	1,273.13	15,166.17		77,006.74
11,425.11				79,251.93		134,744.21
63,551.82	5,313.56	16,588.66	16,650.30	98,436.89	17,900.17	157,056.79
						8,044.90
43,668.26	1,501.32	7,669.98	8,724.89	53,767.48	7,741.62	81,407.70
24,423.82	1,375.01	6,193.85	7,414.38	43,407.69	6,010.90	74,706.60
11,578.31	662.94	1,104.66	3,231.62	14,318.75	2,757.32	9,208.84
				3,106.80		39,049.25
4,484.29	495.73	27.17	847.48	6,399.57	2,123.12	12,305.82
20,941.07	193.94			23,880.17		49,476.19
225,545.90	9,542.50	31,784.32	38,141.80	337,735.45	36,533.13	643,007.04
373.20		3,972.47	2,014.68	8,882.42	184.41	65,541.31
30,000.00	1,500.00	5,000.00	6,300.00	47,000.00	6,800.00	43,079.67
8,011.80	1,719.03	886.07	20.86	1,694.00	445.68	2,737.47
12,218.29			168.88	1,619.90	265.66	20,049.50
189,271.52	3,711.50	22,799.06	32,471.51	264,534.75	23,675.99	*79,404.05
				73.33	25.00	309,948.42
						193.16
465,420.71	16,473.03	64,441.92	79,117.73	661,539.85	67,929.87	1,163,960.62
465,420.71	16,473.03	64,441.92	79,117.73	661,539.85	67,929.87	1,163,960.62
17,080.34						106,932.10
335.72	184.66		91.87	66.25	138.37	20,966.98
2,198.15	84.80					
2,808.05		145.00		3,106.80	311.41	48,746.63
22,422.26	269.46	145.00	91.87	3,173.05	449.78	176,645.71
189,271.52	3,711.50	22,799.06	32,471.51	264,534.75	23,675.99	309,948.42
61,834.20	3,895.75	8,556.12	14,159.31	155,316.09	11,690.79	172,386.84
1,238.06	25.22			735.26	110.16	2,920.32
252,343.78	7,632.47	31,355.18	46,630.82	420,586.10	35,476.94	485,255.58
54,456.24	7,562.40	8,000.00	7,745.53	106,000.00	9,055.77	168,067.90
136,198.43	1,008.70	24,941.74	24,649.51	131,780.70	22,947.38	*79,404.05
						254,587.38
190,654.67	8,571.10	32,941.74	32,395.04	237,780.70	32,003.15	502,059.33
465,420.71	16,473.03	64,441.92	79,117.73	661,539.85	67,929.87	1,163,960.62
8.1	2.1	0.2	0.2	0.1	1.1	7.9

\*Interest improvement for years 1938-41 inclusive not included.

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Concluded

Municipality . . . . .	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population . . . . .	P.V.	768	5,289	761	103,571
Assets	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .			11,903.31		547,479.39
Substation equipment . . . . .			70,399.31		1,195,549.32
Distribution system—overhead . . . . .	7,610.66	12,389.09	66,542.02	16,642.56	1,307,083.92
Distribution system—underground . . . . .					174,248.18
Line transformers . . . . .	3,012.12	5,947.79	45,521.42	4,445.03	577,082.31
Meters . . . . .	2,842.11	4,040.42	30,155.39	4,617.23	532,186.36
Street light equipment, regular . . . . .	545.11	858.36	29,981.90	1,918.67	83,766.84
Street light equipment, ornamental . . . . .					1,021,495.33
Miscellaneous construction expense . . . . .	339.76	457.52	9,145.49	801.23	196,479.22
Steam or hydraulic plant . . . . .					
Old plant . . . . .		1,250.00		2,569.50	166,440.66
Total plant . . . . .	14,349.76	24,943.18	263,648.84	30,994.22	5,801,811.53
Bank and cash balance . . . . .		1,161.50	75.00	1,523.86	1,075.00
Securities and investments . . . . .	4,500.00	4,500.00		10,500.00	1,036,952.17
Accounts receivable . . . . .		18.13	755.83	239.32	189,131.63
Inventories . . . . .		52.41	456.11	194.02	236,063.81
Sinking fund on local debentures . . . . .					62,195.88
Equity in H-E.P.C. systems . . . . .	16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58
Other assets . . . . .		146.86			4,701.50
Total assets . . . . .	35,331.13	56,121.48	503,434.30	57,125.95	10,391,688.07
Deficit . . . . .					
Total . . . . .	35,331.13	56,121.48	503,434.30	57,125.95	10,391,688.07
LIABILITIES					
Debenture balance . . . . .			7,626.98	2,008.48	598,122.57
Accounts payable . . . . .		23.97	8,009.35	69.16	117,839.88
Bank overdraft . . . . .	290.49		4,824.50		100,252.28
Other liabilities . . . . .		128.15	3,187.84		1,133,977.28
Total liabilities . . . . .	290.49	152.12	23,648.67	2,077.64	1,950,191.81
RESERVES					
For equity in H-E.P.C. systems . . . . .	16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58
For depreciation . . . . .	4,148.23	10,236.25	44,977.05	7,839.83	1,326,218.00
Other reserves . . . . .		65.12	554.25	48.46	437,970.28
Total reserves . . . . .	20,629.60	35,600.77	284,029.82	21,562.82	4,823,944.86
SURPLUS					
Debentures paid . . . . .	7,500.00	8,000.00	62,405.46	10,991.52	1,985,709.57
Local sinking fund . . . . .					62,195.88
Operating surplus . . . . .	6,911.04	12,368.59	133,350.35	22,493.97	1,569,646.00
Total surplus . . . . .	14,411.04	20,368.59	195,755.81	33,485.49	3,617,551.35
Total liabilities, reserves and surplus . . . . .	35,331.13	56,121.48	503,434.30	57,125.95	10,391,688.07
Percentage of net debt to total assets	1.5	0.5	8.9	4.8	14.9

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Woodbridge 946	Woodstock 12,325	Wyoming 530	York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	40,771.99	50.00	73,278.86	.....	9,538,164.56
.....	116,858.55	.....	6,245.09	.....	22,604,188.70
18,825.61	133,376.78	10,558.40	772,595.82	7,373.89	19,509,878.69
.....	.....	.....	.....	.....	5,830,340.72
7,357.37	70,157.39	1,508.00	325,510.33	2,487.93	9,810,105.12
5,880.88	65,301.98	3,148.86	323,612.28	2,847.81	8,439,950.74
574.03	22,624.70	358.65	55,989.93	471.82	2,026,009.54
.....	.....	.....	.....	.....	1,540,369.82
1,441.92	5,524.70	887.52	60,600.15	463.93	3,799,232.23
.....	.....	.....	.....	.....	25,155.29
.....	.....	.....	.....	150.00	791,644.35
34,079.81	454,616.09	16,511.43	1,617,832.46	13,795.38	83,915,039.76
558.05	22,818.22	620.55	200.00	417.38	2,420,280.93
4,000.00	64,000.00	500.00	.....	6,500.00	5,996,421.79
153.49	5,151.04	14.37	77,273.73	30.88	3,521,012.19
.....	630.11	.....	29,518.70	.....	1,681,213.11
.....	.....	.....	.....	.....	4,552,247.26
31,317.16	404,172.48	8,322.86	647,170.08	13,289.12	45,610,003.56
.....	10,530.37	.....	52,549.06	.....	194,565.35
70,108.51	961,918.31	25,969.21	2,424,544.03	34,032.76	147,890,783.95
.....	.....	.....	.....	.....	1,128.59
70,108.51	961,918.31	25,969.21	2,424,544.03	34,032.76	147,891,912.54
2,049.94	.....	.....	129,398.07	1,951.35	15,416,966.00
1,027.88	925.14	231.29	11,365.09	158.87	2,564,038.82
.....	.....	.....	14,552.27	.....	180,097.99
510.31	8,443.80	60.00	21,060.84	10.00	2,773,890.17
3,588.13	9,368.94	291.29	176,376.27	2,120.22	20,934,992.98
31,317.16	404,172.48	8,322.86	647,170.08	13,289.12	45,610,003.56
11,521.00	204,719.01	5,288.66	623,946.19	7,018.62	22,660,746.43
.....	15,766.97	.....	9,474.25	.....	2,753,218.95
42,838.16	624,658.46	13,611.52	1,280,590.52	20,307.74	71,023,968.94
6,450.03	127,385.63	9,700.00	359,976.58	3,640.26	34,484,600.59
.....	.....	.....	.....	.....	4,552,247.26
17,232.19	200,505.28	2,366.40	607,600.66	7,964.54	16,896,102.77
23,682.22	327,890.91	12,066.40	967,577.24	11,604.80	55,932,950.62
70,108.51	961,918.31	25,969.21	2,424,544.03	34,032.76	147,891,912.54
9.2	1.7	1.7	10.2	10.4	15.4



## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM

Municipality.....	Alliston	Arthur	Barrie	Beaverton	Beeton
Population.....	1,715	1,089	10,095	925	617
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	.....	.....	16,550.75	499.50	.....
Substation equipment.....	675.73	.....	18,884.56	.....	428.50
Distribution system—overhead....	28,853.12	18,200.33	70,895.62	25,310.89	11,896.38
Distribution system—underground	.....	.....	66,437.67	.....	.....
Line transformers.....	8,265.52	4,739.78	45,817.75	8,571.64	2,985.94
Meters.....	8,234.49	4,596.19	52,888.29	7,147.13	2,351.61
Street light equipment, regular....	1,567.17	796.21	13,305.29	1,316.79	1,169.54
Street light equipment, ornamental	.....	.....	.....	.....	.....
Miscellaneous construction expense	2,549.60	295.10	3,449.27	2,362.96	1,574.78
Steam or hydraulic plant.....	.....	.....	.....	.....	.....
Old plant.....	7,846.49	1,086.62	.....	3,772.42	.....
Total plant.....	57,992.12	29,714.23	288,229.20	48,981.33	20,406.75
Bank and cash balance.....	354.94	468.52	75.00	1,253.45	2,341.95
Securities and investments.....	9,000.00	1,000.00	.....	7,000.00	2,000.00
Accounts receivable.....	376.90	131.99	17,306.10	1,387.76	105.47
Inventories.....	65.36	.....	4,629.61	.....	.....
Sinking fund on local debentures..	.....	.....	.....	.....	.....
Equity in H-E.P.C. systems.....	23,557.73	19,823.79	153,510.23	20,975.99	15,829.66
Other assets.....	390.42	405.00	13,789.85	.....	.....
Total assets.....	91,737.47	51,543.53	477,539.99	79,598.53	40,683.83
Deficit.....	.....	13,128.65	.....	.....	664.15
Total.....	91,737.47	64,672.18	477,539.99	79,598.53	41,347.98
<b>LIABILITIES</b>					
Debenture balance.....	11,862.69	10,117.26	9,193.02	1,209.58	5,646.18
Accounts payable.....	96.09	484.42	17,996.18	1,359.93	0.02
Bank overdraft.....	.....	.....	5,475.56	.....	.....
Other liabilities.....	276.10	405.00	4,179.45	567.04	.....
Total liabilities.....	12,234.88	11,006.68	36,844.21	3,136.55	5,646.20
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	23,557.73	19,823.79	153,510.23	20,975.99	15,829.66
For depreciation.....	21,027.24	18,958.97	106,632.14	16,588.24	10,418.30
Other reserves.....	73.94	.....	400.00	400.00	100.00
Total reserves.....	44,658.91	38,782.76	260,542.37	37,964.23	26,347.96
<b>SURPLUS</b>					
Debentures paid.....	28,137.31	14,882.74	56,172.66	13,790.42	9,353.82
Local sinking fund.....	.....	.....	.....	.....	.....
Operating surplus.....	6,706.37	.....	123,980.75	24,707.33	.....
Total surplus.....	34,843.68	14,882.74	180,153.41	38,497.75	9,353.82
Total liabilities, reserves and surplus.	91,737.47	64,672.18	477,539.99	79,598.53	41,347.98
Percentage of net debt to total assets	17.9	34.7	11.4	5.4	22.7

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Bradford 1,041	Brechin P.V.	Cannington 761	Chatsworth 333	Chesley 1,812	Coldwater 606	Collingwood 5,636
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
388.50			364.89	6,000.00	275.00	15,950.08
20,811.96	2,135.59	11,898.15	5,302.45	2,305.58		11,203.24
				22,422.49	9,442.31	55,155.39
5,411.40	1,266.71	5,375.14	2,309.52	9,078.66	3,726.86	19,161.96
5,709.57	889.42	4,950.65	1,891.51	7,264.52	3,211.09	26,043.34
544.95	248.55	988.37	529.17	2,506.98	775.02	2,940.72
1,977.52	546.92	621.73	491.27	3,799.37	268.38	1,770.99
		3,609.37				
34,843.90	5,087.19	27,443.41	10,888.81	53,377.60	17,698.66	132,225.72
3,776.12	372.60	1,881.15	205.41	15.00	942.43	2,882.87
7,000.00	500.00	1,500.00	1,500.00	5,000.00	4,000.00	26,000.00
147.96	692.37	216.86	340.31	64.42	1,003.24	793.54
		270.08		440.56		
18,473.49	7,838.87	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
90.00				1,409.12		23.84
64,331.47	14,491.03	47,153.07	17,444.22	97,098.65	39,014.52	300,410.02
64,331.47	14,491.03	47,153.07	17,444.22	97,098.65	39,014.52	300,410.02
9,356.08	1,142.90	2,227.72			889.15	
998.59	67.74	146.51	20.44	9,013.03	48.84	1,410.99
				1,027.06		
255.00	97.96	49.00	122.36		251.87	2,361.31
10,609.67	1,308.60	2,423.23	142.80	10,040.09	1,189.86	3,772.30
18,473.49	7,838.87	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
14,479.31	2,045.59	12,807.23	3,907.60	16,180.48	10,712.45	67,043.57
25.00	80.09	39.05			80.00	200.00
32,977.80	9,964.55	28,687.85	8,417.29	52,972.43	26,162.64	205,727.62
15,843.92	2,068.02	12,772.28	5,400.00	27,500.00	6,110.85	38,183.42
4,900.08	1,149.86	3,269.71	3,484.13	6,586.13	5,551.17	52,726.68
20,744.00	3,217.88	16,041.99	8,884.13	34,086.13	11,662.02	90,910.10
64,331.47	14,491.03	47,153.07	17,444.22	97,098.65	39,014.52	300,410.02
23.1	19.7	7.7	1.1	16.6	5.0	2.3

## STATEMENT

## Balance Sheets of Electrical Departments of

**GEORGIAN BAY  
SYSTEM—Continued**

Municipality.....	Cooks- town P.V.	Creemore 661	Dundalk 686	Durham 1,874	Elmvale P.V.
Population.....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	70.00			204.18	106.25
Substation equipment.....	392.95			546.02	2,273.07
Distribution system—overhead...	9,693.20	7,669.57	8,608.62	23,075.28	9,712.45
Distribution system—underground					
Line transformers.....	2,535.85	3,676.20	4,245.50	9,177.89	3,821.64
Meters.....	2,509.51	3,262.37	3,342.05	8,010.06	4,037.61
Street light equipment, regular....	919.69	358.56	1,203.31	1,545.06	447.17
Street light equipment, ornamental					
Miscellaneous construction expense	1,542.38	77.02	295.62	1,286.66	513.10
Steam or hydraulic plant.....					
Old plant.....				2,091.39	
Total plant.....	17,663.58	15,043.72	17,695.10	45,936.54	20,911.29
Bank and cash balance.....	4,880.37	381.34	635.59	209.12	1,767.41
Securities and investments.....	4,000.00	5,000.00	4,000.00	9,000.00	6,700.00
Accounts receivable.....	624.57	191.51	162.01	743.31	229.33
Inventories.....			6.50	670.99	
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	5,449.94	12,133.47	12,805.92	31,646.48	15,413.47
Other assets.....				91.29	
Total assets.....	32,618.46	32,750.04	35,305.12	88,297.73	45,021.50
Deficit.....					
Total.....	32,618.46	32,750.04	35,305.12	88,297.73	45,021.50
<b>LIABILITIES</b>					
Debenture balance.....	3,520.51				433.65
Accounts payable.....	0.42	734.16	1.57		387.82
Bank overdraft.....					
Other liabilities.....	85.00	237.00			21.00
Total liabilities.....	3,605.93	971.16	1.57		842.47
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	5,449.94	12,133.47	12,805.92	31,646.48	15,413.47
For depreciation.....	9,161.85	6,554.60	7,381.51	16,436.37	10,094.45
Other reserves.....		50.00			17.73
Total reserves.....	14,611.79	18,738.07	20,187.43	48,082.85	25,525.65
<b>SURPLUS</b>					
Debentures paid.....	9,979.49	2,823.61	5,955.96	25,800.00	6,566.35
Local sinking fund.....					
Operating surplus.....	4,421.25	10,217.20	9,160.16	14,414.88	12,086.95
Total surplus.....	14,400.74	13,040.81	15,116.12	40,214.88	18,653.34
Total liabilities, reserves and surplus.	32,618.46	32,750.04	35,305.12	88,297.73	45,021.50
Percentage of net debt to total assets	13.3	9.1	0.0	0.0	2.8



## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Elmwood P.V.	Flesherton 452	Grand Valley 645	Graven- hurst 2,261	Hanover 3,190	Holstein P.V.	Huntsville 2,943
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	408.78	36.50	10,072.27	3,879.03	.....	353.52
.....	.....	.....	10,986.03	9,271.19	.....	647.30
5,194.07	5,970.17	12,195.18	39,803.54	51,504.53	2,255.72	22,020.09
.....	.....	.....	1,941.77	.....	.....	.....
1,100.67	2,646.59	2,894.74	15,986.39	22,390.56	1,011.04	14,409.34
1,295.51	2,463.21	3,689.40	13,577.23	18,165.68	797.04	13,985.51
372.71	802.19	1,051.12	4,472.25	2,350.30	170.44	7,489.65
.....	.....	.....	.....	.....	.....	.....
1,093.62	1,072.48	296.06	2,770.56	6,214.46	188.31	1,385.19
.....	.....	.....	18,130.29	2,370.91	.....	5,156.20
.....	.....	.....	.....	.....	.....	.....
9,056.58	13,363.42	20,163.00	117,740.33	116,146.66	4,422.55	65,446.80
.....	.....	.....	.....	.....	.....	.....
526.55	1,467.00	1,371.76	1,466.46	6,878.33	377.61	817.29
3,500.00	5,500.00	6,123.60	.....	32,848.98	2,500.00	8,000.00
.....	43.78	105.25	1,036.10	557.37	57.50	1,080.93
.....	.....	.....	994.19	121.21	.....	3,980.20
.....	.....	.....	.....	.....	.....	.....
4,181.99	6,754.40	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
.....	.....	.....	276.67	672.80	.....	.....
.....	.....	.....	.....	.....	.....	.....
17,265.12	27,128.60	40,075.19	150,469.77	240,256.54	10,094.61	139,270.72
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
17,265.12	27,128.60	40,075.19	150,469.77	240,256.54	10,094.61	139,270.72
.....	.....	.....	.....	.....	.....	.....
.....	1,268.67	.....	.....	.....	.....	.....
31.83	9.10	2.68	6,042.09	.....	3.79	607.67
.....	.....	.....	890.00	693.99	.....	1,657.07
.....	.....	.....	.....	.....	.....	.....
31.83	1,277.77	2.68	6,932.09	693.99	3.79	2,264.74
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,181.99	6,754.40	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
3,476.90	4,908.18	9,872.09	29,916.67	63,540.84	2,066.55	15,306.18
.....	.....	.....	500.00	.....	.....	400.00
.....	.....	.....	.....	.....	.....	.....
7,653.89	11,662.58	22,178.67	59,372.69	146,572.03	4,803.50	75,651.68
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
7,200.00	5,431.33	11,000.00	63,968.41	87,500.00	2,762.05	21,133.54
.....	.....	.....	.....	.....	.....	.....
2,374.40	8,756.92	6,893.84	20,196.58	5,490.52	2,525.27	40,220.76
.....	.....	.....	.....	.....	.....	.....
9,574.40	14,183.25	17,893.84	84,164.99	92,990.52	5,287.32	61,354.30
.....	.....	.....	.....	.....	.....	.....
17,265.12	27,128.60	40,075.19	150,469.77	240,256.54	10,094.61	139,270.72
.....	.....	.....	.....	.....	.....	.....
0.2	6.3	0.0	5.7	0.4	0.0	2.9

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Kin- cardine 2,483	Kirkfield P.V.	Lucknow 977	Markdale 776	Meaford 2,759
Population.....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	6,531.80				1,144.18
Substation equipment.....	2,794.20			780.80	3,849.47
Distribution system—overhead...	44,459.20	5,179.43	20,870.73	11,388.05	33,425.36
Distribution system—underground					
Line transformers.....	13,306.09	757.90	8,319.06	5,750.80	9,097.50
Meters.....	12,477.25	814.97	5,321.46	4,413.20	9,585.34
Street light equipment, regular....	6,076.00	379.00	1,509.55	1,390.15	3,595.33
Street light equipment, ornamental					
Miscellaneous construction expense	5,066.07	234.11	2,380.36	591.61	2,466.54
Steam or hydraulic plant.....					
Old plant.....				2,080.65	3,452.38
Total plant.....	90,710.61	7,365.41	38,401.16	26,395.26	66,616.10
Bank and cash balance.....	7,427.04	665.01	443.16	1,286.03	342.69
Securities and investments.....	7,000.00		2,000.00	4,755.13	13,000.00
Accounts receivable.....	626.16	387.28	524.37	699.67	312.10
Inventories.....	957.21	38.29			32.91
Sinking fund on local debentures.					
Equity in H-E.P.C. systems.....	42,791.79	3,253.27	19,737.42	10,389.71	30,007.26
Other assets.....	447.13				126.61
Total assets.....	149,959.94	11,709.26	61,106.11	43,525.80	110,437.67
Deficit.....		1,685.22			
Total.....	149,959.94	13,394.48	61,106.11	43,525.80	110,437.67
<b>LIABILITIES</b>					
Debenture balance.....	1,586.34		807.00	2,266.24	9,042.42
Accounts payable.....	331.28	5.94		2.47	190.60
Bank overdraft.....					
Other liabilities.....	4.00	40.99	5.00	22.00	2,235.46
Total liabilities.....	1,921.62	46.93	812.00	2,290.71	11,468.48
<b>RESERVES</b>					
For equity in H-E.P.C. systems.	42,791.79	3,253.27	19,737.42	10,389.71	30,007.26
For depreciation.....	34,432.40	3,894.28	10,445.64	8,900.73	16,723.77
Other reserves.....	78.44	200.00			40.00
Total reserves.....	77,302.63	7,347.55	30,183.06	19,290.44	46,771.03
<b>SURPLUS</b>					
Debentures paid.....	62,613.66	6,000.00	18,906.16	6,733.76	40,317.78
Local sinking fund.....					
Operating surplus.....	8,122.03		11,204.89	15,210.89	11,880.38
Total surplus.....	70,735.69	6,000.00	30,111.05	21,944.65	52,198.16
Total liabilities, reserves and surplus.	149,959.94	13,394.48	61,106.11	43,525.80	110,437.67
Percentage of net debt to total assets	1.8	0.6	2.0	6.9	14.3

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Midland 6,627	Mildmay 764	Mount Forest 1,936	Neustadt 431	Orange- ville 2,558	Owen Sound 13,599	Paisley 730
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,983.57		3,725.00		2,585.07	27,107.19	
85,264.20		686.75		1,169.00	17,973.04	1,923.46
98,887.54	6,234.75	23,224.98	10,430.88	36,757.90	119,855.13	12,144.09
27,992.36	1,877.31	7,929.09	3,910.81	10,882.24	62,299.16	1,857.15
40,171.20	3,035.37	8,726.82	2,390.65	13,995.13	66,863.56	3,355.11
19,322.71	577.24	2,397.89	496.41	7,532.55	31,027.61	1,045.51
3,297.39	868.60	2,054.63	1,504.28	6,302.24	3,282.88	672.29
	849.00	3,810.95	1,097.60	3,204.99	33,282.00	1,745.00
294,918.97	13,442.27	52,556.11	19,830.63	82,429.12	361,690.57	22,742.61
75.00	1,484.02	2,159.10	1,563.61	20.00	1,201.03	619.54
45,568.06	3,500.00	4,000.00	6,000.00	14,000.00	5,000.00	4,000.00
9,129.91		255.60	79.56	476.21	5,097.21	116.18
3,917.22		42.79	10.50	282.17	11,354.03	
221,065.64	3,072.72	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
1,192.14	271.04		.31	852.31	1,050.00	9.26
575,866.94	21,770.05	91,993.83	34,057.99	142,893.97	596,655.07	38,622.65
			639.21			
575,866.94	21,770.05	91,993.83	34,697.20	142,893.97	596,655.07	38,622.65
	8,230.52	5,046.21				2,472.02
1,128.12	26.56	1,500.00	50.73	88.27	14,671.13	204.74
7,446.50				504.43		
1,119.11		195.00	350.00	33.00	5,635.01	38.26
9,693.73	8,257.08	6,741.21	400.73	625.70	20,306.14	2,715.02
221,065.64	3,072.72	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
191,698.20	2,290.00	23,472.01	10,723.09	31,950.96	85,324.69	6,116.99
1,597.59					10,300.00	
414,361.43	5,362.72	56,452.24	17,296.47	76,785.12	306,886.92	17,252.05
111,944.99	4,072.98	25,912.39	17,000.00	35,900.00	141,000.00	13,527.98
39,866.79	4,077.27	2,887.99		29,583.15	128,462.01	5,127.60
151,811.78	8,150.25	28,800.38	17,000.00	65,483.15	269,462.01	18,655.58
575,866.94	21,770.05	91,993.83	34,697.20	142,893.97	596,655.07	38,622.65
2.7	44.2	11.4	1.5	0.6	5.3	9.9



## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality .....	Penetan- guishene 4,177	Port Elgin 1,415	Port McNicol 964	Port Perry 1,175	Priceville P.V.
Population .....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	2,288.05	111.25	369.08		68.00
Substation equipment .....	7,161.13			2,564.65	
Distribution system—overhead .....	52,487.29	27,318.72	9,785.91	19,922.33	5,476.21
Distribution system—underground .....					
Line transformers .....	22,011.84	6,761.17	1,500.23	5,291.65	929.92
Meters .....	16,043.98	8,006.56	3,065.60	4,875.19	562.08
Street light equipment, regular .....	3,942.13	2,270.59	652.98	1,816.38	256.88
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	2,034.34	888.65	691.29	265.91	833.90
Steam or hydraulic plant .....		4,213.00			
Old plant .....					
Total plant .....	105,968.76	49,569.94	16,065.09	34,736.11	8,126.99
Bank and cash balance .....	2,250.39	1,458.82	521.33	28.27	1,092.67
Securities and investments .....	1,718.96	10,000.00	500.00	7,000.00	
Accounts receivable .....	1,584.95	291.24	128.65	55.86	105.12
Inventories .....	107.11				
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	64,110.98	11,109.74	6,404.87	17,606.55	972.44
Other assets .....					1.84
Total assets .....	175,741.15	72,429.74	23,619.94	59,426.79	10,299.06
Deficit .....					864.04
Total .....	175,741.15	72,429.74	23,619.94	59,426.79	11,163.10
<b>LIABILITIES</b>					
Debenture balance .....	799.21	23,954.48		7,119.02	
Accounts payable .....	193.95	3,377.22		7.75	
Bank overdraft .....					
Other liabilities .....	681.75	33.10	118.40	660.00	
Total liabilities .....	1,674.91	27,364.80	118.40	7,786.77	
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	64,110.98	11,109.74	6,404.87	17,606.55	972.44
For depreciation .....	47,273.13	8,737.29	5,170.89	11,893.08	3,190.66
Other reserves .....	1,014.34				
Total reserves .....	112,398.45	19,847.03	11,575.76	29,499.63	4,163.10
<b>SURPLUS</b>					
Debentures paid .....	36,183.74	18,045.52	7,300.00	12,762.64	7,000.00
Local sinking fund .....					
Operating surplus .....	25,484.05	7,172.39	4,625.78	9,377.75	
Total surplus .....	61,667.79	25,217.91	11,925.78	22,140.39	7,000.00
Total liabilities, reserves and surplus .....	175,741.15	72,429.74	23,619.94	59,426.79	11,163.10
Percentage of net debt to total assets .....	1.5	44.6	0.7	18.6	0.0

“A”—Continued

Hydro Municipalities as at December 31, 1941

Ripley	Rosseau	Shelburne	South- ampton	Stayner	Sunderland	Tara
420	305	1,053	1,467	1,106	P.V.	510
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		800.00	25.00			
		566.60		200.00		
10,188.27	7,832.94	15,466.14	27,785.64	16,804.99	4,284.74	11,383.81
3,888.79	2,314.23	7,771.43	10,100.01	6,966.61	1,772.83	3,208.91
2,202.26	1,327.86	6,831.44	10,087.10	7,097.13	2,316.96	2,043.54
844.33	623.60	1,104.49	2,558.48	1,095.02	670.57	2,721.65
1,196.42	1,210.44	2,220.70	975.13	374.08	164.62	1,425.42
		739.50	2,477.00		2,030.00	
18,320.07	13,309.07	35,500.30	54,008.36	32,537.83	11,239.72	20,783.33
3,000.00	26.65	1,443.92	612.46	553.34	821.30	2,843.97
	1,000.00	7,000.00	1,000.00	3,000.00	1,000.00	3,500.00
76.00	188.72	168.85	295.30	111.04	285.63	77.40
		261.42				
7,832.45	3,417.69	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
		180.92				
29,228.52	17,942.13	63,970.73	65,553.24	52,976.42	23,761.03	35,783.88
235.71	1,174.53					
29,464.23	19,116.66	63,970.73	65,553.24	52,976.42	23,761.03	35,783.88
6,383.93	9,502.25		11,610.34			
220.70		238.11	2,424.01	197.44	572.82	447.24
141.25						
265.83	265.00	103.45	8.22	265.80	5.00	
7,011.71	9,767.25	341.56	14,042.57	463.24	577.82	447.24
7,832.45	3,417.69	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
7,032.06	2,415.23	17,040.37	7,532.10	14,157.04	5,603.50	9,535.28
	18.74			50.00		
14,864.51	5,851.66	36,455.69	17,169.22	30,981.25	16,017.88	18,114.46
7,588.01	3,497.75	19,920.00	21,389.59	9,867.59	6,800.00	15,500.00
		7,253.48	12,951.86	11,664.34	365.33	1,722.18
7,588.01	3,497.75	27,173.48	34,341.45	21,531.93	7,165.33	17,222.18
29,464.23	19,116.66	63,970.73	65,553.24	52,976.42	23,761.03	35,783.88
32.8	67.2	0.8	25.1	1.3	4.3	1.6

## STATEMENT

## Balance Sheets of Electrical Departments of

**GEORGIAN BAY  
SYSTEM—Concluded**

Municipality . . . . .	Teeswater	Thornton	Tottenham	Uxbridge	Victoria Harbour
Population . . . . .	873	P.V.	532	1,480	1,018
<b>ASSETS</b>					
Lands and buildings . . . . .				40.00	
Substation equipment . . . . .	330.31		358.50	2,657.65	
Distribution system—overhead . . . . .	17,788.31	6,818.42	9,127.77	15,306.06	10,601.72
Distribution system—underground . . . . .					
Line transformers . . . . .	5,695.75	1,764.80	1,697.12	5,135.64	2,333.76
Meters . . . . .	3,808.82	1,009.17	2,653.64	5,776.61	3,794.41
Street light equipment, regular . . . . .	1,495.82	433.25	496.86	1,505.99	366.32
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	1,833.57	300.35	1,321.42	1,120.61	762.41
Steam or hydraulic plant . . . . .					
Old plant . . . . .	4,976.86		286.45		
Total plant . . . . .	35,929.44	10,325.99	15,946.76	31,542.56	17,858.62
Bank and cash balance . . . . .		1,235.43	1,036.34	899.80	1,394.70
Securities and investments . . . . .	3,500.00		250.00	500.00	1,000.00
Accounts receivable . . . . .	538.28	30.65	128.97	391.93	238.47
Inventories . . . . .	38.23			26.03	
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	12,423.43	3,418.29	10,782.86	18,727.06	6,613.35
Other assets . . . . .	108.67				
Total assets . . . . .	52,538.05	15,010.36	28,144.93	52,087.38	27,105.14
Deficit . . . . .		1,596.14	5,345.54		
Total . . . . .	52,538.05	16,606.50	33,490.47	52,087.38	27,105.14
<b>LIABILITIES</b>					
Debenture balance . . . . .			3,726.83		
Accounts payable . . . . .	40.57	91.74	1,926.18	100.00	52.39
Bank overdraft . . . . .	58.93				
Other liabilities . . . . .	66.00		313.26	337.00	
Total liabilities . . . . .	165.50	91.74	5,966.27	437.00	52.39
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	12,423.43	3,418.29	10,782.86	18,727.06	6,613.35
For depreciation . . . . .	10,268.56	5,596.47	7,480.75	8,641.33	6,803.51
Other reserves . . . . .			20.32	314.00	
Total reserves . . . . .	22,691.99	9,014.76	18,283.93	27,682.39	13,416.86
<b>SURPLUS</b>					
Debentures paid . . . . .	28,000.00	7,500.00	9,240.27	16,207.59	6,500.00
Local sinking fund . . . . .					
Operating surplus . . . . .	1,680.56			7,760.40	7,135.89
Total surplus . . . . .	29,680.56	7,500.00	9,240.27	23,967.99	13,635.89
Total liabilities, reserves and surplus . . . . .	52,538.05	16,606.50	33,490.47	52,087.38	27,105.14
Percentage of net debt to total assets . . . . .	0.4	0.8	34.4	1.3	0.3



“A”—Continued

Hydro Municipalities as at December 31, 1941

Walkerton 2,534	Waubau- shene P.V.	Warton 1,750	Winder- mere 158	Wingham 2,114	Woodville 439	GEORGIAN BAY SYSTEM SUMMARY
		200.00		21,513.45		141,262.39
		333.57		4,863.91		191,479.91
42,136.46	9,893.07	21,873.58	9,811.50	40,549.75	3,539.72	1,299,068.49
						68,379.44
14,956.71	2,641.62	5,876.77	3,492.70	18,616.24	2,150.74	491,466.23
12,724.13	3,087.54	7,155.08	1,187.30	16,324.60	2,203.79	495,652.84
2,626.74	303.35	2,914.96	247.26	11,276.86	521.83	163,967.50
2,961.40	312.68	5,867.86	525.65	4,863.71	274.31	97,589.22
				14,711.99		47,993.99
4,897.60		2,001.79		12,320.02	2,182.50	96,428.98
80,303.04	16,238.26	46,223.61	15,264.41	145,040.53	10,872.89	3,093,288.99
4,767.23	83.83	1,253.03	1,407.42	30.00	.44	79,395.84
3,000.00		12,500.00	1,000.00		5,000.00	322,969.73
1,376.91	247.31	569.24	117.11	2,808.52	1,195.74	56,114.72
1,306.49				4,909.29		34,462.39
18,027.62	4,425.18	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
				251.31		21,640.53
108,781.29	20,994.58	74,323.65	20,179.98	189,903.72	27,237.23	5,305,237.95
						25,333.19
108,781.29	20,994.58	74,323.65	20,179.98	189,903.72	27,237.23	5,330,571.14
39,035.56		24,928.21	7,884.29	22,282.87	741.16	244,286.31
16.76	890.96	2.80	531.50	32.63	770.08	69,798.60
				3,023.77		17,677.50
208.50		167.22		682.55	2.00	26,010.06
39,260.82	890.96	25,098.23	8,415.79	26,021.82	1,513.24	357,772.47
18,027.62	4,425.18	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
11,825.16	3,212.88	7,350.48	3,224.27	37,608.50	3,139.14	1,150,221.79
75.65	125.00	46.30			1,000.00	17,246.19
29,928.43	7,763.06	21,174.55	5,615.31	74,472.57	14,307.30	2,864,833.73
23,964.44	3,500.00	12,471.79	3,879.01	73,822.63	4,758.84	1,319,965.29
15,627.60	8,840.56	15,579.08	2,269.87	15,586.70	6,657.85	787,999.65
39,592.04	12,340.56	28,050.87	6,148.88	89,409.33	11,416.69	2,107,964.94
108,781.29	20,994.58	74,323.65	20,179.98	189,903.72	27,237.23	5,330,571.14
43.3	5.4	41.5	47.3	17.0	9.0	9.9

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM

Municipality .....	Alexandria	Apple Hill	Arnprior	Athens	Bath
Population .....	1,976	P.V.	4,019	626	325
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	202.00	169.06			
Substation equipment .....					
Distribution system—overhead .....	27,785.73	3,009.09	27,196.07	14,364.26	6,437.62
Distribution system—underground .....					
Line transformers .....	9,011.52	1,421.37	10,891.82	2,401.06	1,481.15
Meters .....	7,820.96	1,234.61	13,912.18	3,338.46	931.22
Street light equipment, regular .....	2,233.59	421.12	6,115.00	698.90	554.37
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	5,755.22	241.73	596.00	1,139.29	727.38
Steam or hydraulic plant .....					
Old plant .....	4,466.89	709.55			
Total plant .....	57,275.91	7,206.53	58,711.07	21,941.97	10,131.74
Bank and cash balance .....	4,506.06	1,234.34	5,070.48	1,441.46	32.89
Securities and investments .....	15,000.00	1,500.00	10,000.00	4,500.00	
Accounts receivable .....	4,842.51	623.36	291.97	465.27	19.87
Inventories .....			289.64		
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	30,582.24	3,309.57	3,551.63	6,166.08	2,044.09
Other assets .....					
Total assets .....	112,206.72	13,873.80	77,914.79	34,514.78	12,228.59
Deficit .....					
Total .....	112,206.72	13,873.80	77,914.79	34,514.78	12,228.59
<b>LIABILITIES</b>					
Debenture balance .....		159.88	40,054.05	6,657.61	5,078.85
Accounts payable .....	0.39	523.10	3,988.22		399.92
Bank overdraft .....					
Other liabilities .....	676.66		1,868.09		50.00
Total liabilities .....	677.05	682.98	45,910.36	6,657.61	5,528.77
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	30,582.24	3,309.57	3,551.63	6,166.08	2,044.09
For depreciation .....	22,498.53	2,881.26	3,344.80	5,801.29	1,996.67
Other reserves .....	343.96			206.06	
Total reserves .....	53,424.73	6,190.83	6,896.43	12,173.43	4,040.76
<b>SURPLUS</b>					
Debentures paid .....	48,133.84	5,840.12	15,415.03	7,342.39	2,421.15
Local sinking fund .....					
Operating surplus .....	9,971.10	1,159.87	9,692.92	8,341.35	237.91
Total surplus .....	58,104.94	6,999.99	25,108.00	15,683.74	2,659.06
Total liabilities, reserves and surplus .....	112,206.72	13,873.80	77,914.79	34,514.78	12,228.59
Percentage of net debt to total assets .....	0.8	6.5	61.7	23.5	54.3

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Belleville 14,876	Bloomfield 636	Bowman- ville 3,850	Brighton 1,462	Brockville 9,996	Cardinal 1,602	Carleton Place 4,143
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
41,950.02		28,670.08	600.00	45,295.14		13,390.32
89,718.13	410.00	894.47		39,212.30		2,471.63
130,843.83	11,075.50	50,100.59	16,968.83	100,712.08	14,211.70	46,592.65
40,259.99	2,251.13	11,153.53	6,620.54	53,604.92	3,834.27	14,084.57
69,598.55	3,180.23	20,338.94	8,172.95	53,267.26	3,783.93	19,649.61
23,735.53	1,040.99	8,172.97	1,305.85	27,292.21	491.85	6,691.85
14,612.96	1,403.42	4,862.21	842.00	1,672.00	688.93	5,668.26
				46,965.86		
				4,821.76	3,474.80	5,289.19
410,719.01	19,361.27	124,192.79	34,510.17	372,843.53	26,485.48	113,838.08
	1,737.20	13,970.71	3,618.19	5,505.60	778.09	2,624.61
5,000.00	2,980.00	5,000.00	500.00	103,000.00	3,500.00	28,000.00
27,154.44	60.46	7,930.56	2,986.33	3,388.44	154.14	968.86
12,937.47		6,639.50	6,052.80	2,216.75		1,762.15
163,289.20	6,137.55	58,191.94	11,133.98	170,947.77	5,406.00	78,430.75
			8.91	374.80		
624,100.12	30,276.48	215,975.50	58,810.38	658,276.89	36,323.71	225,624.45
624,100.12	30,276.48	215,975.50	58,810.38	648,276.89	36,323.71	225,624.45
	3,244.44	5,000.00	9,927.07		7,955.27	18,360.66
	68.50	340.87	165.79	13,378.81	109.01	1,164.71
937.25						
10,741.11	145.00	1,619.76	382.58	232.40	5.00	1,562.40
11,678.36	3,457.94	6,960.63	10,475.44	13,611.21	8,069.28	21,037.77
163,289.20	6,137.55	58,191.94	11,133.98	170,947.77	5,406.00	78,430.75
59,893.73	7,009.47	18,465.36	4,658.02	140,193.74	3,250.78	19,503.05
2,676.18			359.70	14,641.46	76.36	960.67
230,859.11	13,147.02	76,657.30	16,151.70	325,782.97	8,733.14	98,894.47
176,000.00	7,955.56	66,000.00	15,072.93	226,657.54	7,044.73	47,639.34
205,582.65	5,715.96	66,357.57	17,110.31	92,225.17	12,476.56	58,002.87
331,582.65	13,671.52	132,357.57	32,183.24	318,882.71	19,521.29	105,642.21
624,100.12	30,276.48	215,975.50	58,810.38	658,276.89	36,323.71	225,624.45
2.6	14.3	4.4	22.0	2.8	26.1	14.3



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality .....	Chester- ville 1,094	Cobden 643	Cobourg 5,062	Colborne 960	Deseronto 1,002
Population .....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	335.00		29,949.68		597.41
Substation equipment .....			1,668.35		161.18
Distribution system—overhead .....	10,641.61	4,473.08	82,519.44	11,014.54	11,007.51
Distribution system—underground .....					
Line transformers .....	4,008.10	1,146.09	26,448.05	1,250.89	1,753.21
Meters .....	5,134.26	1,128.65	31,521.87	2,977.20	5,076.46
Street light equipment, regular .....	593.64	444.46	13,977.70	1,479.27	432.60
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	848.28	45.86	4,256.01	2,408.00	391.85
Steam or hydraulic plant .....					
Old plant .....		2,853.85			
Total plant .....	21,560.89	10,091.99	190,341.10	19,129.90	19,420.22
Bank and cash balance .....	1,650.09	1,360.27	15,322.61	1,285.19	564.39
Securities and investments .....	9,000.00	3,000.00	5,000.00	4,000.00	
Accounts receivable .....	1,679.51	39.99	7,950.79	171.76	1,297.23
Inventories .....	613.45		3,836.57	1,612.22	573.80
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	27,197.35	1,215.69	43,666.06	3,823.71	6,924.86
Other assets .....	1.90		149.04	541.09	
Total assets .....	61,703.19	15,707.94	266,266.17	30,563.87	28,780.50
Deficit .....					
Total .....	61,703.19	15,707.94	266,266.17	30,563.87	28,780.50
LIABILITIES					
Debenture balance .....		4,178.85	68,126.63	8,566.49	
Accounts payable .....	17.68		7,346.70	586.49	72.10
Bank overdraft .....					
Other liabilities .....	46.00	122.50	4,990.80	242.00	321.31
Total liabilities .....	63.68	4,301.35	80,464.13	9,394.98	393.41
RESERVES					
For equity in H-E.P.C. systems .....	27,197.35	1,215.69	43,666.06	3,823.71	6,924.86
For depreciation .....	8,297.07	783.61	30,766.92	2,838.13	4,284.48
Other reserves .....					
Total reserves .....	35,494.42	1,999.30	74,432.98	6,661.84	11,209.34
SURPLUS					
Debentures paid .....	6,500.00	3,624.42	37,866.87	3,628.10	15,000.00
Local sinking fund .....					
Operating surplus .....	19,645.09	5,782.87	73,502.19	10,878.95	2,177.75
Total surplus .....	26,145.09	9,407.29	111,369.06	14,507.05	17,177.75
Total liabilities, reserves and surplus .....	61,703.19	15,707.94	266,266.17	30,563.87	28,780.50
Percentage of net debt to total assets .....	0.2	29.6	36.1	35.1	1.8

“A”—Continued

Hydro Municipalities as at December 31, 1941

Finch 396	Hastings 823	Havelock 1,103	Iroquois 1,123	Kemptville 1,230	Kingston 26,741
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,136.43	17,248.78	19,914.33	4,774.56	20,883.21	198,497.36
2,159.77	3,383.07	2,961.87	3,397.83	6,435.41	83,225.40
1,990.70	3,701.47	5,835.12	4,402.89	7,832.21	131,315.13
504.07	1,283.74	1,883.33	243.00	1,090.07	77,335.70
67.68	701.62	4,531.91	371.84	5,800.71	46,769.08
	1,733.13	2,420.45	575.00		17,665.40
12,853.65	28,051.81	38,119.91	13,865.12	45,464.49	1,207,903.88
374.92	641.99	2,094.33	1,750.72	993.06	985.06
3,500.00	4,500.00	14,000.00	1,000.00	22,000.00	251,175.00
106.62	729.82	118.33	165.19	1,578.97	36,658.33
				1,011.76	19,120.34
4,298.06	3,609.94	12,042.21	341.33	20,490.23	25,026.33
					61,806.97
					2,485.42
21,138.25	37,533.56	66,374.78	17,122.36	91,538.51	1,605,161.33
21,138.25	37,533.56	66,374.78	17,122.36	91,538.51	1,605,161.33
3,000.98	13,245.61	329.00		12,353.44	48,071.00
	0.65		399.92	241.88	324.78
50.00	252.00		107.54	96.00	31,434.21
					13,978.88
3,050.98	13,498.26	329.00	507.46	12,691.32	93,808.87
4,298.06	3,609.94	12,042.21	341.33	20,490.23	61,806.97
2,728.63	4,834.94	12,898.93	334.50	14,622.87	302,766.77
10.59					175,093.35
7,037.28	8,444.88	24,941.14	675.83	35,113.10	539,667.09
3,999.02	7,754.39	32,571.00		12,646.56	263,829.00
7,050.97	7,836.03	8,533.64	15,939.07	31,087.53	25,026.33
					682,830.04
11,049.99	15,590.42	41,104.64	15,939.07	43,734.09	971,685.37
21,138.25	37,533.56	66,374.78	17,122.36	91,538.51	1,605,161.33
18.1	39.8	0.6	3.0	17.8	6.2

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality .....	Lakefield	Lanark	Lancaster	Lindsay	Madoc
Population .....	1,301	686	570	7,241	1,130
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	3,137.97			10,777.68	100.00
Substation equipment .....				3,176.56	
Distribution system—overhead .....	23,372.16	6,941.61	8,777.90	102,516.08	11,836.20
Distribution system—underground .....					
Line transformers .....	6,667.86	1,688.69	2,002.25	28,909.55	3,496.56
Meters .....	7,758.49	2,304.67	1,943.35	34,806.11	5,201.00
Street light equipment, regular .....	1,896.05	747.54	650.65	10,334.23	1,577.14
Street light equipment, ornamental .....					
Miscellaneous construction expense .....	4,122.12	48.60	1,068.55	2,548.63	117.71
Steam or hydraulic plant .....					
Old plant .....	3,445.25				
Total plant .....	50,399.90	11,731.11	14,442.70	193,068.84	22,328.61
Bank and cash balance .....	1,425.71	2,185.48	716.37	3,104.19	2,848.92
Securities and investments .....	6,000.00	4,353.33	500.00	55,000.00	6,000.00
Accounts receivable .....	140.80	1.50	71.90	298.69	88.91
Inventories .....				332.78	
Sinking fund on local debentures .....					
Equity in H-E.P.C. systems .....	12,862.79	6,176.43	6,152.23	92,719.93	7,675.73
Other assets .....					
Total assets .....	70,829.20	24,447.85	21,883.20	344,524.43	38,942.17
Deficit .....					
Total .....	70,829.20	24,447.85	21,883.20	344,524.43	38,942.17
<b>LIABILITIES</b>					
Debenture balance .....	17,075.30			60,360.80	
Accounts payable .....			738.25		51.00
Bank overdraft .....					
Other liabilities .....	632.80	90.00	163.36	3,337.11	399.00
Total liabilities .....	17,708.10	90.00	901.61	63,697.91	450.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	12,862.79	6,176.43	6,152.23	92,719.93	7,675.73
For depreciation .....	14,894.27	4,254.55	2,972.03	47,860.90	2,279.47
Other reserves .....					
Total reserves .....	27,757.06	10,430.98	9,124.26	140,580.83	9,955.20
<b>SURPLUS</b>					
Debentures paid .....	16,424.70	7,316.57	9,970.42	69,639.20	14,000.00
Local sinking fund .....					
Operating surplus .....	8,939.34	6,610.30	1,886.91	70,606.49	14,536.97
Total surplus .....	25,364.04	13,926.87	11,857.33	140,245.69	28,536.97
Total liabilities, reserves and surplus .....	70,829.20	24,447.85	21,883.20	344,524.43	38,942.17
Percentage of net debt to total assets .....	30.5	0.5	5.7	25.3	1.4



“A”—Continued

Hydro Municipalities as at December 31, 1941

Marmora 1,004	Martin- town P.V.	Maxville 811	Millbrook 749	Morris- burg 1,484	Napanee 3,241	Newcastle 701
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	126.15	407.79	.....	5,000.00	9,825.49	107.37
13,910.83	2,840.45	11,859.30	6,067.86	4,457.21	180.27	.....
.....	.....	.....	.....	11,917.41	47,051.60	14,857.30
3,808.11	709.39	2,240.79	758.45	5,080.80	11,669.07	4,012.74
4,042.21	1,061.45	2,851.47	1,829.92	7,166.35	18,531.09	3,718.90
1,193.23	354.94	1,950.24	595.65	795.00	4,586.53	876.40
.....	.....	.....	.....	.....	.....	.....
2,160.44	690.21	2,462.07	79.92	348.12	3,222.25	641.35
.....	.....	.....	.....	.....	.....	.....
573.62	.....	.....	.....	27,733.82	.....	.....
.....	.....	.....	.....	.....	.....	.....
25,688.44	5,782.59	21,771.66	9,331.80	62,498.71	95,066.30	24,214.06
.....	.....	.....	.....	.....	.....	.....
3,225.43	1,025.58	1,712.87	3,086.84	1,119.95	.....	.....
1,000.00	2,000.00	3,500.00	.....	6,000.00	7,000.00	.....
109.26	89.46	275.00	52.10	89.42	4,869.13	287.94
157.00	.....	.....	.....	.....	7,797.31	.....
.....	.....	.....	.....	.....	.....	.....
5,530.56	2,083.98	9,571.65	453.70	1,122.75	40,894.07	1,487.46
.....	.....	.....	.....	853.18	20.06	.....
.....	.....	.....	.....	.....	.....	.....
35,710.69	10,981.61	36,831.18	12,924.44	71,684.01	155,646.87	25,989.46
.....	.....	.....	.....	.....	.....	.....
35,710.69	10,981.61	36,831.18	12,924.44	71,684.01	155,646.87	25,989.46
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	7,177.65	21,525.92	.....	.....
.....	15.06	.....	1.66	355.41	.....	5.02
.....	.....	.....	.....	.....	2,557.83	303.18
220.00	5.00	120.00	190.82	853.18	921.95	.....
.....	.....	.....	.....	.....	.....	.....
220.00	20.06	120.00	7,370.13	22,734.51	3,479.78	308.20
.....	.....	.....	.....	.....	.....	.....
5,530.56	2,083.98	9,571.65	453.70	1,122.75	40,894.07	1,487.46
5,304.33	2,368.38	7,293.41	555.67	2,159.24	13,143.36	10,065.72
.....	81.02	370.26	.....	31,296.54	.....	.....
.....	.....	.....	.....	.....	.....	.....
10,834.89	4,533.38	17,235.32	1,009.37	34,578.53	54,037.43	11,553.18
.....	.....	.....	.....	.....	.....	.....
17,666.11	6,000.00	16,000.00	1,822.35	13,047.36	70,000.00	14,000.00
.....	.....	.....	.....	.....	.....	.....
6,989.69	428.17	3,475.86	2,722.59	1,323.61	28,129.66	128.08
.....	.....	.....	.....	.....	.....	.....
24,655.80	6,428.17	19,475.86	4,544.94	14,370.97	98,129.66	14,128.08
.....	.....	.....	.....	.....	.....	.....
35,710.69	10,981.61	36,831.18	12,924.44	71,684.01	155,646.87	25,989.46
.....	.....	.....	.....	.....	.....	.....
0.7	0.2	0.4	59.0	32.2	3.0	1.2

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Norwood	Omemeë	Orono	Oshawa
Population.....	710	630	P.V.	25,035
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				62,098.55
Substation equipment.....	457.53	360.32		1,565.29
Distribution system—overhead.....	23,512.31	13,602.53	5,152.00	259,776.31
Distribution system—underground.....				
Line transformers.....	4,035.13	4,419.01	1,026.77	74,724.12
Meters.....	5,403.33	3,700.53	1,779.46	126,392.69
Street light equipment, regular.....	1,886.92	805.48	529.46	17,857.71
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	3,842.04	1,702.42	295.97	70,218.38
Steam or hydraulic plant.....				
Old plant.....	2,447.51			6,431.65
Total plant.....	41,584.77	24,590.29	8,783.66	619,064.70
Bank and cash balance.....	2,124.75	520.98	4,040.38	400.00
Securities and investments.....	14,000.00	6,000.00		
Accounts receivable.....	952.31	127.95	34.96	68,420.96
Inventories.....				20,035.81
Sinking fund on local debentures.....				
Equity in H-E.P.C. systems.....	5,913.85	379.83	521.11	515,383.90
Other assets.....	404.78			53.09
Total assets.....	64,980.46	31,619.05	13,380.11	1,223,358.46
Deficit.....				
Total.....	64,980.46	31,619.05	13,380.11	1,223,358.46
LIABILITIES				
Debenture balance.....	16,994.82		6,529.22	90,000.00
Accounts payable.....			144.20	77,902.69
Bank overdraft.....				15,838.37
Other liabilities.....	404.78	236.80		27,553.12
Total liabilities.....	17,399.60	236.80	6,673.42	211,294.18
RESERVES				
For equity in H-E.P.C. systems.....	5,913.85	379.83	521.11	515,383.90
For depreciation.....	15,914.54	11,173.07	378.40	98,814.36
Other reserves.....			775.38	4,669.00
Total reserves.....	21,828.39	11,552.90	1,674.89	618,867.26
SURPLUS				
Debentures paid.....	20,105.18	12,000.00	1,470.78	220,000.00
Local sinking fund.....				
Operating surplus.....	5,647.29	7,829.35	3,561.02	173,197.02
Total surplus.....	25,752.47	19,829.35	5,031.80	393,197.02
Total liabilities, reserves and surplus.....	64,980.46	31,619.05	13,380.11	1,223,358.46
Percentage of net debt to total assets.....	29.5	0.7	51.9	29.8

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Ottawa 150,277	Perth 4,197	Peter- borough 24,400	Picton 3,400	Port Hope 4,997	Prescott 2,930	Richmond 428
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
487,414.25	5,109.34	78,638.66	10,896.49	11,691.21	2,761.54	.....
857,906.74	6,961.44	124,548.59	2,004.66	3,100.00	.....	.....
886,584.45	49,092.18	313,730.07	41,767.47	56,234.00	42,362.29	6,820.25
297,255.92	.....	.....	.....	.....	.....	.....
399,658.86	26,012.92	130,886.48	13,890.62	19,420.03	17,255.33	1,279.53
309,872.49	23,769.79	117,368.14	19,444.17	26,835.18	20,650.73	1,435.68
124,662.85	4,734.53	60,043.68	10,521.97	3,608.73	2,302.03	194.48
.....	.....	.....	.....	.....	.....	.....
39,832.85	4,780.27	91,671.91	4,124.60	5,523.37	2,200.29	618.64
.....	.....	.....	.....	.....	.....	.....
.....	23,361.94	29,771.74	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
3,403,188.41	143,822.41	946,659.27	102,649.98	126,412.52	87,532.21	10,348.58
.....	.....	.....	.....	.....	.....	.....
267,934.87	12,640.49	150.00	1,519.13	691.07	581.62	1,128.74
390,000.00	69,145.75	.....	16,000.00	12,000.00	3,000.00	.....
100,502.00	4,037.37	89,883.01	1,308.17	275.42	5,378.38	94.44
49,778.44	10,686.90	26,163.61	6,447.77	2,564.42	.....	.....
443,097.49	.....	402,424.93	.....	.....	.....	.....
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
.....	1.32	.....	3,755.83	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,833,523.38	309,218.94	1,767,920.02	183,916.11	197,095.82	144,753.05	14,419.06
.....	.....	.....	.....	.....	.....	.....
4,833,523.38	309,218.94	1,767,920.02	183,916.11	197,095.82	144,753.05	14,419.06
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
425,906.82	36,441.76	527,920.00	.....	.....	.....	3,163.72
62,836.53	7.00	29,657.84	22.94	2,553.48	3,638.59	.....
.....	.....	28,744.19	.....	.....	.....	.....
.....	2,785.73	200.00	3,755.83	5,618.41	375.53	149.00
.....	.....	.....	.....	.....	.....	.....
488,743.35	39,234.49	586,522.03	3,778.77	8,171.89	4,014.12	3,312.72
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
1,499,904.86	64,158.61	161,697.96	19,347.91	22,594.39	50,682.77	2,440.59
367,538.91	809.52	1,408.13	968.91	.....	.....	52.84
.....	.....	.....	.....	.....	.....	.....
2,046,465.94	133,852.83	465,745.29	72,552.05	77,746.78	98,943.61	5,340.73
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
554,093.18	71,958.24	50,000.00	5,730.32	79,000.00	12,170.99	3,336.28
443,097.49	.....	402,424.93	.....	.....	.....	.....
1,301,123.42	64,173.38	263,227.77	101,854.97	32,177.15	29,624.33	2,429.33
.....	.....	.....	.....	.....	.....	.....
2,298,314.09	136,131.62	715,652.70	107,585.29	111,177.15	41,795.32	5,765.61
.....	.....	.....	.....	.....	.....	.....
4,833,523.38	309,218.94	1,767,920.02	183,916.11	197,095.82	144,753.05	14,419.06
.....	.....	.....	.....	.....	.....	.....
1.1	16.3	17.3	2.9	0.5	4.2	28.6



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Concluded

Municipality . . . . .	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population . . . . .	P.V.	7,741	947	7,636	1,181
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		20,430.85	8,522.88	5,139.41	
Substation equipment . . . . .		4,765.59	7,949.55	29,317.62	
Distribution system—overhead . . . . .	8,215.46	92,929.32	7,053.76	114,649.60	15,150.80
Distribution system—underground . . . . .					
Line transformers . . . . .	1,495.50	38,510.90	4,854.60	26,768.58	4,131.37
Meters . . . . .	1,854.97	37,704.11	5,327.42	35,709.05	5,779.14
Street light equipment, regular . . . . .	589.70	9,539.26	3,203.33	15,956.24	2,220.11
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	1,262.77	7,971.29	613.77	7,442.49	
Steam or hydraulic plant . . . . .					
Old plant . . . . .					
Total plant . . . . .	13,418.40	211,851.32	37,525.31	234,982.99	27,281.42
Bank and cash balance . . . . .	826.75	3,146.58	8,903.36	17,435.93	1,764.85
Securities and investments . . . . .	5,000.00	73,480.00	3,443.27	10,000.00	4,000.00
Accounts receivable . . . . .	771.46	923.92	895.67	1,110.15	530.59
Inventories . . . . .		45.00	743.99	7,080.24	390.80
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
Other assets . . . . .					
Total assets . . . . .	25,579.08	389,655.80	60,098.29	345,668.70	43,312.33
Deficit . . . . .					
Total . . . . .	25,579.08	389,655.80	60,098.29	345,668.70	43,312.33
LIABILITIES					
Debenture balance . . . . .	2,933.09	1,023.19		25,219.33	5,236.29
Accounts payable . . . . .	73.94	392.13		398.93	106.07
Bank overdraft . . . . .					
Other liabilities . . . . .	10.00	452.98	370.13	5,879.06	285.19
Total liabilities . . . . .	3,017.03	1,868.30	370.13	31,497.32	5,627.55
RESERVES					
For equity in H-E.P.C. systems . . . . .	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
For depreciation . . . . .	3,619.34	102,868.19	7,214.40	42,957.24	3,697.79
Other reserves . . . . .		592.40			448.20
Total reserves . . . . .	9,181.81	203,669.57	15,801.09	118,016.63	13,490.66
SURPLUS					
Debentures paid . . . . .	7,066.91	132,714.14	10,000.00	139,780.67	13,763.71
Local sinking fund . . . . .					
Operating surplus . . . . .	6,313.33	51,403.79	33,927.07	56,374.08	10,430.41
Total surplus . . . . .	13,380.24	184,117.93	43,927.07	196,154.75	24,194.12
Total liabilities, reserves and surplus . . . . .	25,579.08	389,655.80	60,098.29	345,668.70	43,312.33
Percentage of net debt to total assets . . . . .	15.1	0.6	0.7	11.6	16.6

“A”—Continued

Hydro Municipalities as at December 31, 1941

Warkworth P.V.	Wellington 948	Westport 725	Whitby 4,236	Williams- burgh P.V.	Winchester 1,017	EASTERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	200.00	.....	6,619.20	.....	299.85	1,122,587.88
.....	499.80	.....	34,288.16	.....	.....	1,445,719.32
5,697.62	15,223.75	7,349.21	61,508.17	3,431.14	10,421.63	3,140,621.82
.....	.....	.....	.....	.....	.....	492,679.09
850.80	4,235.20	1,015.48	15,430.96	1,978.92	4,392.15	1,160,503.08
2,116.05	6,003.54	1,794.62	20,481.25	2,391.10	5,804.50	1,278,977.81
338.08	1,349.61	706.11	12,478.33	174.61	719.87	478,002.50
.....	.....	.....	.....	.....	.....	.....
609.19	897.68	1,409.72	9,435.02	141.58	348.97	376,855.43
.....	.....	.....	.....	.....	.....	46,965.86
3,618.02	2,477.92	1,713.00	1,340.13	.....	1,100.00	148,024.62
.....	.....	.....	.....	.....	.....	.....
13,229.76	30,887.50	13,988.14	161,581.22	8,117.35	23,086.97	9,690,937.41
.....	.....	.....	.....	.....	.....	.....
790.06	702.78	173.98	.....	831.45	2,784.15	417,085.52
2,500.00	7,500.00	5,000.00	7,000.00	21,000.00	9,000.00	1,245,577.35
81.47	207.69	0.02	4,497.49	347.80	86.20	386,224.29
.....	.....	.....	369.02	.....	.....	189,309.54
.....	.....	.....	.....	.....	.....	870,548.75
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
.....	.....	.....	35.47	.....	.....	8,684.89
.....	.....	.....	.....	.....	.....	.....
20,436.16	49,209.25	23,826.30	223,393.02	36,556.14	54,554.67	15,248,885.98
.....	.....	.....	.....	.....	.....	.....
20,436.16	49,209.25	23,826.30	223,393.02	36,556.14	54,554.67	15,248,885.98
.....	.....	.....	.....	.....	.....	.....
7,074.51	4,199.79	8,726.32	14,862.80	.....	2,067.97	1,538,749.13
14.65	.....	.....	360.75	8.27	781.80	209,195.73
.....	.....	.....	16.75	.....	.....	79,831.78
14.00	50.25	180.00	1,655.08	399.16	10.00	94,808.30
.....	.....	.....	.....	.....	.....	.....
7,103.16	4,250.04	8,906.32	16,895.38	407.43	2,859.77	1,922,584.94
.....	.....	.....	.....	.....	.....	.....
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
3,063.52	11,541.77	2,113.46	.....	3,799.72	10,740.44	2,926,528.21
.....	.....	.....	30,533.16	358.04	.....	634,270.64
.....	.....	.....	.....	.....	.....	.....
6,898.39	21,453.05	6,777.62	80,442.98	10,417.30	30,337.79	6,001,317.08
.....	.....	.....	.....	.....	.....	.....
3,925.49	12,800.21	6,273.68	61,749.70	2,750.00	8,582.03	2,698,100.26
.....	.....	.....	.....	.....	.....	870,548.75
2,509.12	10,705.95	1,868.68	64,304.96	22,981.41	12,775.08	3,756,334.95
.....	.....	.....	.....	.....	.....	.....
6,434.61	23,506.16	8,142.36	126,054.66	25,731.41	21,357.11	7,324,983.96
.....	.....	.....	.....	.....	.....	.....
20,436.16	49,209.25	23,826.30	223,393.02	36,556.14	54,554.67	15,248,885.98
.....	.....	.....	.....	.....	.....	.....
42.8	10.8	46.5	9.7	1.3	8.2	8.8

## STATEMENT

## Balance Sheets of Electrical Departments of

**THUNDER BAY  
SYSTEM**

Municipality.....	Fort William 24,843	Nipigon Twp.	Port Arthur 23,790	THUNDER BAY SYSTEM SUMMARY
Population.....				
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	86,326.42	215.03	466,814.46	553,355.91
Substation equipment.....	146,638.63		310,294.87	456,933.50
Distribution system—overhead.....	218,317.45	18,492.42	507,290.89	744,100.76
Distribution system—underground.....				
Line transformers.....	95,459.08	4,337.11	105,517.94	205,314.13
Meters.....	91,940.56	4,139.95	114,141.22	210,221.73
Street light equipment, regular.....	46,292.65	2,436.86	82,451.67	131,181.18
Street light equipment, ornamental.....				
Miscellaneous construction expense..	21,039.06	219.60	37,609.40	58,868.06
Steam or hydraulic plant.....			325,003.44	325,003.44
Old plant.....	293,762.46			293,762.46
Total plant.....	999,776.31	29,840.97	1,949,123.89	2,978,741.17
Bank and cash balance.....		2,066.72	20,818.37	22,885.09
Securities and investments.....	62,500.00		576,670.70	639,170.70
Accounts receivable.....	27,103.61	174.43	90,807.46	118,090.50
Inventories.....	18,805.82		27,969.93	46,775.75
Sinking fund on local debentures.....	95,574.54		12,277.24	107,851.78
Equity in H-E.P.C. systems.....	630,460.69	5,255.82	2,074,621.13	2,710,337.64
Other assets.....	921.21			921.21
Total assets.....	1,835,147.18	37,337.94	4,752,288.72	6,624,773.84
Deficit.....				
Total.....	1,835,147.18	37,337.94	4,752,288.72	6,624,773.84
<b>LIABILITIES</b>				
Debenture balance.....	250,000.00	2,330.44	13,000.00	265,330.44
Accounts payable.....	38,823.91	762.43	170,095.94	209,682.28
Bank overdraft.....	25,137.36			25,137.36
Other liabilities.....	27,986.20			27,986.20
Total liabilities.....	341,947.47	3,092.87	183,095.94	528,136.28
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	630,460.69	5,255.82	2,074,621.13	2,710,337.64
For depreciation.....	162,989.87	3,795.98	610,721.01	777,506.86
Other reserves.....	23,059.15		96,795.64	119,854.79
Total reserves.....	816,509.71	9,051.80	2,782,137.78	3,607,699.29
<b>SURPLUS</b>				
Debentures paid.....	417,650.00	7,669.56	629,100.00	1,054,419.56
Local sinking fund.....	95,574.54		12,277.24	107,851.78
Operating surplus.....	163,465.46	17,523.71	1,145,677.76	1,326,666.93
Total surplus.....	676,690.00	25,193.27	1,787,055.00	2,488,938.27
Total liabilities, reserves and surplus..	1,835,147.18	37,337.94	4,752,288.72	6,624,773.84
Percentage of net debt to total assets..	22.2	9.6	6.4	11.0



## "A"—Concluded

## Hydro Municipalities as at December 31, 1941

NORTHERN ONTARIO  
DISTRICTS

Capreol 1,660	North Bay 16,013	Sioux Lookout 1,967	Sudbury 31,875	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
450.00	59,225.77		73,127.45	132,803.22	11,488,173.96
9,730.32	71,129.08		117,081.45	197,940.83	24,896,262.26
13,603.79	145,105.15	9,247.18	366,737.64	534,693.76	25,228,363.52
					6,391,399.25
5,179.17	39,497.81	3,553.01	101,822.34	150,052.33	11,817,440.89
5,233.61	80,033.14	5,872.78	128,713.16	219,852.69	10,644,655.81
1,126.26	28,161.23	1,698.95	109,908.22	140,894.66	2,940,055.38
					1,540,369.82
779.28	16,838.22	962.50	15,768.47	34,348.47	4,366,893.41
					445,118.58
					1,329,860.41
36,102.43	439,990.38	21,334.42	913,158.73	1,410,585.96	101,088,593.29
1,593.25	26,701.21	682.67	22,548.76	51,525.89	2,991,173.27
2,000.00	38,500.00		123,500.00	164,000.00	8,368,139.57
600.42	12,465.16	318.37	21,426.64	34,810.59	4,116,252.29
	9,646.63		22,618.11	32,264.74	1,984,025.53
					5,530,647.79
	222.28			222.28	52,458,225.18
					226,034.26
40,296.10	527,525.66	22,335.46	1,103,252.24	1,693,409.46	176,763,091.18
					26,461.78
40,296.10	527,525.66	22,335.46	1,103,252.24	1,693,409.46	176,789,552.96
	231,500.00		108,583.48	340,083.48	17,805,415.36
75.96	6,316.23	176.38	28,861.27	35,429.84	3,088,145.27
					302,744.63
385.00	25,874.73	2,389.66	35,788.58	64,437.97	2,987,132.70
460.96	263,690.96	2,566.04	173,233.33	439,951.29	24,183,437.96
4,871.00	198,057.85	904.90	77,148.68	280,982.43	52,458,225.18
133.88	1,782.97	100.00	65,777.48	67,794.33	27,795,985.72
					3,592,384.90
5,004.88	199,840.82	1,004.90	142,926.16	348,776.76	83,846,595.80
19,000.00	8,500.00		358,755.05	386,255.05	39,943,340.75
15,830.26	55,493.88	18,764.52	428,337.70	518,426.36	5,530,647.79
					23,285,530.66
34,830.26	63,993.88	18,764.52	787,092.75	904,681.41	68,759,519.20
40,296.10	527,525.66	22,335.46	1,103,252.24	1,693,409.46	176,789,552.96
1.1	50.0	11.5	15.7	26.0	14.6

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 487	Alvinston	Amherst- burg 2,704
Population.....	1,903	P.V.		649	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	12,429.84	5,473.22	2,653.63	4,112.67	22,677.54
Commercial light service.....	5,488.67	1,328.71	1,305.34	2,009.70	8,800.82
Commercial power service.....	27,648.09	984.36	1,101.11	198.06	6,077.62
Municipal power.....	684.55			320.88	
Street lighting.....	2,024.31	756.00	696.00	1,580.00	2,315.88
Merchandise.....					93.04
Miscellaneous.....	397.57	306.93	299.61	183.54	216.91
Total earnings.....	48,673.03	8,849.22	6,055.69	8,404.85	40,181.81
EXPENSES					
Power purchased.....	39,714.73	6,236.84	5,066.62	5,096.18	28,000.95
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	3,021.53	65.26	65.79	98.54	837.93
Line transformer maintenance.....	100.27	41.19			
Meter maintenance.....	523.57	104.96	46.39	131.74	213.68
Consumers' premises expenses.....	456.32	258.20			1,768.82
Street lighting, operation and main- tenance.....	298.01	73.89	36.30	62.55	399.59
Promotion of business.....					317.50
Billing and collecting.....	786.88	427.82	312.00	459.27	1,048.10
General office, salaries and expenses.....	481.15	133.66	77.37	190.08	789.51
Undistributed expenses.....	108.87		19.72	33.28	110.33
Truck operation and maintenance.....	84.81				173.43
Interest.....				93.86	723.04
Sinking fund and principal payments on debentures.....					2,002.71
Depreciation.....	1,654.00	475.00	536.00	815.00	2,677.00
Other reserves.....					
Total operating costs and fixed charges.....	47,230.14	7,816.82	6,160.19	6,980.50	39,062.59
Net surplus.....	1,442.89	1,032.40		1,424.35	1,119.22
Net loss.....			104.50		
NUMBER OF CONSUMERS					
Domestic service.....	535	161	152	190	689
Commercial light service.....	92	26	35	52	130
Power service.....	17	3	4	2	15
Total.....	644	190	191	244	834

“B”

Hydro Municipalities for Year Ended December 31, 1941

Ancaster Twp.	Arkona 403	Aylmer 1,985	Ayr 748	Baden P.V.	Beachville P.V.	Beamsville 1,227
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,234.70	3,155.99	11,933.23	5,826.94	3,714.56	3,716.10	10,790.74
3,239.94	1,747.05	10,483.80	1,960.71	2,117.30	664.19	5,363.26
883.05	138.97	5,677.70	696.49	6,409.83	15,045.62	2,000.07
307.87						
1,085.05	1,072.00	2,788.00	1,192.00	738.00	517.00	2,083.77
		957.04	45.00	61.23	222.79	230.72
17,750.61	6,114.01	31,839.77	9,721.14	13,040.92	20,165.70	20,468.56
9,106.43	3,312.99	20,780.22	6,910.72	9,432.34	17,027.10	9,708.11
1,640.92	201.44	1,039.77	560.21	194.66	496.33	321.20
100.55		122.05			16.91	16.86
480.98	15.45	336.55		69.15	80.28	14.81
296.09		199.22	166.47	293.91		414.61
347.85	54.09	423.24	78.95	69.79	61.07	153.00
		199.49				
1,122.98	217.45	829.88	455.80	286.93	373.25	742.19
671.28	94.15	1,099.31	84.94	178.36	138.13	679.16
41.89		188.79	9.25	5.75		5.59
		272.79				
507.60	271.43	552.42	198.82	15.49	28.23	834.59
731.03	864.35	1,058.85	516.59	309.77	329.56	1,416.56
1,214.00	436.00	2,065.00	765.00	557.00	825.00	1,414.00
16,261.60	5,467.35	29,167.58	9,746.75	11,413.15	19,375.86	15,720.68
1,489.01	646.66	2,672.19		1,627.77	789.84	4,747.88
			25.61			
358	111	723	237	156	186	377
42	35	157	43	34	22	73
6	1	13	5	3	4	4
406	147	893	285	193	212	454



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Belle River 836	Blenheim 1,873	Blyth 662	Bolton 629	Bothwell 683
Population . . . . .					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	4,780.77	9,473.95	3,809.78	4,402.20	2,839.61
Commercial light service . . . . .	2,767.08	8,970.80	2,233.23	1,952.53	1,982.76
Commercial power service . . . . .	98.36	3,578.61	693.91	2,353.72	810.29
Municipal power . . . . .	1,541.71	1,670.05		126.35	141.52
Street lighting . . . . .	1,034.00	2,627.00	1,580.00	1,070.52	1,225.02
Merchandise . . . . .		2.32			12.68
Miscellaneous . . . . .	84.97	710.00	104.80	267.50	479.89
Total earnings . . . . .	10,306.89	27,032.73	8,421.72	10,172.82	7,491.77
EXPENSES					
Power purchased . . . . .	5,653.32	16,480.85	5,036.24	6,444.05	4,876.71
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	657.80	641.52	474.75	612.12	178.51
Line transformer maintenance . . . . .	61.39	100.32			
Meter maintenance . . . . .	253.33	727.15	195.75	68.36	55.46
Consumers' premises expenses . . . . .	24.00	305.87	4.30	538.33	
Street lighting, operation and main- tenance . . . . .	188.38	556.02	124.91	86.46	189.38
Promotion of business . . . . .		17.40			
Billing and collecting . . . . .	568.56	1,420.60	286.50		165.28
General office, salaries and expenses . . . . .	92.21	1,370.19	134.90	599.65	124.02
Undistributed expenses . . . . .	18.08	241.46	37.81		6.85
Truck operation and maintenance . . . . .					
Interest . . . . .		448.76	66.87	111.83	76.65
Sinking fund and principal payments on debentures . . . . .		760.02	1,215.86	508.51	271.44
Depreciation . . . . .	984.00	2,225.00	594.00	716.00	645.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	8,501.07	25,295.16	8,171.89	9,685.31	6,589.30
Net surplus . . . . .	1,805.82	1,737.57	249.83	487.51	902.47
Net loss . . . . .					
NUMBER OF CONSUMERS					
Domestic service . . . . .	264	557	183	185	18
Commercial light service . . . . .	45	139	49	41	5
Power service . . . . .	2	14	4	10	
Total . . . . .	311	710	236	236	24

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Brampton 5,702	Brantford 30,947	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 784	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
43,373.21	177,747.10	25,668.83	5,085.45	2,333.44	4,705.72	4,919.93
20,406.45	82,418.20	4,119.66	1,064.32	2,063.00	3,028.94	1,615.50
20,984.57	253,781.53	6,365.57	175.76	596.59	914.07	1,015.54
3,125.47	7,629.40					
6,623.18	33,729.56	3,996.25	876.00	841.99	1,296.00	670.08
111.84	6,768.01	479.67		78.85	319.26	285.01
94,624.72	562,073.80	40,629.98	7,201.53	5,913.87	10,263.99	8,506.06
72,911.09	425,721.83	26,837.64	3,564.09	3,762.61	5,537.32	5,633.25
153.48	7,210.07					
1,619.26	1,544.86					
83.53	7,987.93	2,017.66	132.38	292.48	373.96	208.25
581.11	1,269.85	169.16				70.10
2,119.04	5,579.41	281.59	43.80	142.89	163.04	41.53
	17,080.05	68.34	60.64			96.04
1,090.92	4,558.87	726.67	187.62	126.66	157.76	90.70
	25.00					
1,793.52	9,560.87	2,233.44	398.27	338.96		538.15
1,724.23	10,679.42	1,278.39	22.82	136.67	676.28	134.78
136.74	4,087.35	10.32	5.00	24.88	9.47	5.63
323.93	2,025.49					
96.67	2,595.00	9.80	290.81		260.75	
	15,750.00		855.40		1,496.53	
6,044.00	37,663.00	3,364.00	616.00	528.00	807.00	633.00
88,677.52	553,339.00	36,997.01	6,176.83	5,353.15	9,482.11	7,451.43
5,947.20	8,734.80	3,632.97	1,024.70	560.72	781.88	1,054.63
1,563	8,054	1,138	186	121	247	206
259	1,227	46	21	39	70	40
53	200	7	2	4	4	2
1,875	9,481	1,191	209	164	321	248

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Burgess ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population.....		1,425		700	17,148
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,716.80	7,050.93	1,536.04	3,953.31	98,205.69
Commercial light service.....	786.67	5,586.15	848.91	3,944.97	100,022.01
Commercial power service.....	210.47	1,888.27		766.97	90,444.83
Municipal power.....					7,027.87
Street lighting.....	312.00	1,944.96	400.00	1,491.99	19,888.51
Merchandise.....					3,371.44
Miscellaneous.....	33.00	268.70	87.97	60.56	1,174.48
Total earnings.....	3,058.94	16,739.01	2,872.92	10,217.80	320,134.83
<b>EXPENSES</b>					
Power purchased.....	1,744.70	10,544.91	1,715.11	4,999.22	170,886.62
Substation operation.....					6,643.10
Substation maintenance.....					4,694.52
Distribution system, operation and maintenance.....	136.96	1,458.42	33.88	330.88	9,239.79
Line transformer maintenance.....		129.92		4.00	1,681.05
Meter maintenance.....	75.72	549.88		189.70	7,308.55
Consumers' premises expenses.....	19.63	129.41			6,363.57
Street lighting, operation and main- tenance.....	56.69	423.00	32.17	191.26	5,853.58
Promotion of business.....		192.05		7.96	7,392.80
Billing and collecting.....		910.46		555.77	8,078.41
General office, salaries and expenses.....	158.59	1,011.50	125.19	438.36	15,012.39
Undistributed expenses.....	0.77	130.71		72.68	7,834.91
Truck operation and maintenance.....		314.87			2,968.37
Interest.....	0.38		78.31	333.33	7,164.83
Sinking fund and principal payments on debentures.....			409.93	1,350.95	13,756.22
Depreciation.....	271.00	902.00	156.00	869.00	20,756.00
Other reserves.....				50.00	
Total operating costs and fixed charges.....	2,464.44	16,697.13	2,550.59	9,393.11	295,634.71
Net surplus.....	594.50	41.88	322.33	824.69	24,500.12
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	57	438	56	179	4,340
Commercial light service.....	17	100	10	65	804
Power service.....	2	8		6	103
Total.....	76	546	66	250	5,247



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Chippawa 1,228	Clifford 491	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,366.81	2,735.04	13,874.73	2,204.96	2,560.33	1,416.97	2,035.51
3,211.43	2,037.02	8,326.85	1,953.92	1,601.37	804.65	1,147.71
49.43	546.25	4,733.91	2,003.46	192.24		1,176.24
1,169.11		1,114.06			974.71	
1,833.13	1,032.00	2,766.22	726.00	480.00	645.00	484.02
		332.16				
245.39	70.33	624.67	271.30	257.66		113.29
14,875.30	6,420.64	31,772.60	7,159.64	5,091.60	3,841.33	4,956.77
6,526.14	4,416.67	18,484.54	5,009.94	3,001.84	2,633.27	3,166.71
		122.97				
1,105.30	40.71	954.65	456.51	51.30	136.73	43.35
194.44		17.96	46.07	42.63		
683.35	18.00	263.24	174.37	39.57	67.72	140.49
323.40	57.18	461.08				6.74
361.46	45.96	229.12	92.97	42.85	49.70	
99.91						
694.51	402.32	911.73	219.77	420.80	193.88	174.46
699.18	12.30	1,507.92	181.10	28.00	17.40	40.95
189.07	7.56	91.49	15.60	10.71	6.03	8.08
205.97		349.91				
14.80	290.32			206.94	0.60	64.26
246.75	260.12			546.20		169.68
818.00	405.00	2,468.00	600.00	506.00	278.00	306.00
				43.54	11.11	
12,162.28	5,956.14	25,862.61	6,796.33	4,940.38	3,394.44	4,120.72
2,713.02	464.50	5,909.99	363.31	151.22	446.89	836.05
341	128	564	115	121	82	94
53	38	136	46	29	22	26
2	1	16	4	1	1	3
396	167	716	165	151	105	123

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Delaware	Delhi	Dorchester	Drayton	Dresden
Population . . . . .	P.V.	2,430	P.V.	521	1,525
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	2,117.62	11,393.69	2,757.63	3,454.31	7,020.08
Commercial light service . . . . .	734.64	10,730.96	1,013.28	2,080.74	6,401.76
Commercial power service . . . . .		7,290.15	584.30	1,209.58	3,532.55
Municipal power . . . . .					434.16
Street lighting . . . . .	276.00	2,447.64	740.00	960.00	2,219.28
Merchandise . . . . .					1,485.32
Miscellaneous . . . . .	35.24	676.74	117.53	222.50	202.42
Total earnings . . . . .	3,163.50	32,539.18	5,212.74	7,927.13	21,295.57
<b>EXPENSES</b>					
Power purchased . . . . .	2,251.14	14,278.48	3,535.15	5,205.99	13,186.03
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	88.92	1,574.68	169.63	193.98	1,667.47
Line transformer maintenance . . . . .		112.14	0.75	4.13	
Meter maintenance . . . . .		105.74	68.58	212.19	630.72
Consumers' premises expenses . . . . .		592.97	50.00	44.07	366.02
Street lighting, operation and maintenance . . . . .	15.87	216.04	111.85	98.74	240.86
Promotion of business . . . . .	135.13	137.75	40.00		11.70
Billing and collecting . . . . .	142.59	1,574.61	152.07		836.02
General office, salaries and expenses . . . . .	56.61	1,495.72	51.90	397.12	927.77
Undistributed expenses . . . . .		67.53		12.47	49.17
Truck operation and maintenance . . . . .		439.72			442.96
Interest . . . . .	46.09	3,099.32	60.14	231.17	
Sinking fund and principal payments on debentures . . . . .	214.12	3,058.55	219.58	458.99	
Depreciation . . . . .	200.00	1,523.00	483.00	716.00	1,036.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	3,150.47	28,276.25	4,942.65	7,574.85	19,394.72
Net surplus . . . . .	13.03	4,262.93	270.09	352.28	1,900.85
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	66	581	154	165	445
Commercial light service . . . . .	15	146	29	67	129
Power service . . . . .		6	2	5	11
Total . . . . .	81	733	185	237	585

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Drumbo P.V.	Dublin P.V.	Dundas 5,001	Dunnville 3,916	Dutton 830	East York Twp.	Elmira 2,068
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,483.51	1,183.20	24,462.48	15,587.53	3,232.58	222,153.55	15,914.23
1,056.12	731.56	13,587.01	16,797.22	2,470.90	31,861.81	8,909.11
703.25	1,499.39	32,522.53	14,505.58	3,463.59	41,897.03	6,168.75
		404.83	2,895.73		5,179.75	1,000.92
533.00	550.00	5,664.00	3,669.09	1,037.94	22,945.00	2,041.00
			19.92			
96.94	19.50	632.13	756.70	279.36	51.35	1,360.99
4,872.82	3,983.65	77,272.98	54,231.77	10,484.37	324,088.49	35,395.00
3,001.10	3,037.82	54,327.91	27,973.60	8,292.55	189,139.05	22,992.15
		583.95	438.60		840.59	
256.81	48.35	5,577.21	3,502.75	343.05	7,280.83	1,566.13
		199.16	156.62	12.01	175.65	168.95
30.42	90.85	2,193.03	618.55	106.22	5,225.15	508.39
	40.61	666.83		6.30	6,444.51	334.33
153.62	137.95	444.30	290.93	218.47	2,814.19	150.73
		328.91	4.90	2.80	45.00	48.57
240.71		1,134.75	924.07	472.75	15,714.30	792.10
39.40	280.71	2,666.79	1,615.68	151.70	13,478.49	986.15
1.17	7.98	114.17	211.55	21.76	708.65	147.41
		711.14	292.06			192.38
51.90		403.91	1,648.87		8,637.60	582.15
240.83		3,149.12	3,912.06		21,001.10	2,431.04
385.00	380.00	5,496.00	4,400.00	755.00	17,633.00	2,701.00
4,400.96	4,024.27	77,997.18	45,990.24	10,382.61	289,138.11	33,601.48
471.86			8,241.53	101.76	34,950.38	1,793.52
	40.62	724.20				
92	58	1,269	998	228	10,637	542
28	21	190	223	63	491	121
1	2	37	28	10	47	20
121	81	1,496	1,249	301	11,175	683



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Elora	Embro	Erieau	Erie Beach †21	Essex
Population.....	1,185	420	*281		1,886
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	8,212.28	3,350.55	4,064.76	1,719.77	8,410.74
Commercial light service.....	4,620.91	1,298.38	1,540.88	291.10	8,269.01
Commercial power service.....	4,329.97	78.89	480.99		7,660.83
Municipal power.....					1,474.23
Street lighting.....	1,353.68	636.00	504.00		2,348.17
Merchandise.....					
Miscellaneous.....	445.04	68.85	0.24		729.17
Total earnings.....	18,961.88	5,432.67	6,590.87	2,010.87	28,892.15
EXPENSES					
Power purchased.....	12,642.16	3,744.39	4,147.58	864.04	17,423.07
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,130.72	236.93	213.90	29.26	487.97
Line transformer maintenance.....			33.31	8.03	10.94
Meter maintenance.....	51.25	172.94	155.83	77.06	110.37
Consumers' premises expenses.....	40.00	34.35	24.73		84.83
Street lighting, operation and main- tenance.....	187.06	141.30	91.02		419.77
Promotion of business.....	63.24	160.00			30.83
Billing and collecting.....	826.84	289.40	401.97	187.04	1,197.77
General office, salaries and expenses.....	547.63	122.85	434.36	151.74	1,901.63
Undistributed expenses.....	154.03	1.35	17.36	0.53	203.17
Truck operation and maintenance.....	236.38				391.77
Interest.....			107.74	65.67	816.53
Sinking fund and principal payments on debentures.....			517.94	222.80	731.53
Depreciation.....	1,395.00	600.00	526.00	115.00	2,380.00
Other reserves.....					
Total operating costs and fixed charges.....	17,274.31	5,503.51	6,671.74	1,721.17	26,190.13
Net surplus.....	1,687.57			289.70	2,701.93
Net loss.....		70.84	80.87		
NUMBER OF CONSUMERS					
Domestic service.....	351	118	191	83	51
Commercial light service.....	72	37	15	3	12
Power service.....	3	1	2		2
Total.....	426	156	208	86	66

\*Summer Population 1,031.

†Summer Population 321.

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Etobicoke Twp	Exeter 1,654	Fergus 2,759	Fonthill 860	Forest 1,562	Forest Hill 12,172	Galt 14,584
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
175,352.29	12,465.82	20,592.39	5,306.52	12,954.45	206,124.88	108,271.45
35,327.15	7,176.61	9,413.50	1,851.70	7,483.39	29,088.15	53,766.31
26,903.13	3,244.57	21,381.04	301.55	4,072.69	2,665.29	148,209.61
6,273.65	523.19	703.54	229.42	1,286.94	580.20	4,323.43
13,955.49	2,790.89	2,490.00	1,358.00	2,456.21	8,533.55	15,346.50
	297.64			689.34		2,003.94
565.68	910.22	45.00	45.31	698.68	2,039.10	2,909.25
258,377.39	27,408.94	54,625.47	9,092.50	29,641.70	249,031.17	334,830.49
164,924.04	17,894.99	36,281.44	4,616.41	18,932.88	157,775.76	241,068.78
						5,095.28
					3,358.17	370.80
9,227.45	997.67	2,273.16	609.35	2,276.03	6,900.27	4,927.21
911.28	149.97	391.40	19.48		142.08	279.18
1,439.72	181.89	659.20	107.55	222.80	1,144.83	1,506.90
9,620.28	205.86	523.24	128.08	1,565.88	5,171.22	6,116.95
785.83	523.56	410.86	81.04	386.36	534.62	1,714.29
		35.01		89.01		5,150.25
8,879.72	1,001.60	973.37	584.65	846.01	4,789.34	4,233.78
5,912.49	1,399.74	933.82	159.78	1,004.45	6,867.83	5,635.45
2,558.25	39.23	161.42	38.80	121.23	1,171.84	2,336.66
1,150.43	228.11	434.09		176.45	718.16	590.99
5,809.61		518.02	425.29	210.43	11,100.19	2,767.70
13,791.91		1,572.97	1,213.76	1,171.91	14,192.44	25,700.91
15,957.00	1,959.00	2,110.00	645.00	1,874.00	12,696.00	29,643.00
240,968.01	24,581.62	47,278.00	8,629.19	28,877.44	226,562.75	337,138.13
17,409.38	2,827.32	7,347.47	463.31	764.26	22,468.42	
						2,307.64
5,169	498	753	272	480	3,315	4,078
282	122	109	36	130	238	500
41	14	12	3	20	24	112
5,492	634	874	311	630	3,577	4,690

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	George- town 2,452	Glencoe 763	Goderich 4,674	Granton P.V.	Guelph 22,500
Population . . . . .					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .	20,180.43	5,280.46	33,856.82	2,188.79	116,546.10
Commercial light service . . . . .	8,915.29	4,156.67	17,779.18	1,056.66	60,175.80
Commercial power service . . . . .	32,733.04	1,588.86	14,196.20		127,993.00
Municipal power . . . . .	729.11	1,690.12	3,160.54		15,399.57
Street lighting . . . . .	2,900.00	2,006.80	4,508.00	370.23	19,451.44
Merchandise . . . . .		88.11	458.14		
Miscellaneous . . . . .	632.85	260.86	786.93	162.50	2,511.88
<b>Total earnings . . . . .</b>	<b>66,090.72</b>	<b>15,071.88</b>	<b>74,745.81</b>	<b>3,778.18</b>	<b>342,077.79</b>
<b>EXPENSES</b>					
Power purchased . . . . .	49,220.67	8,634.40	48,074.66	2,722.55	260,985.67
Substation operation . . . . .			1,573.00		
Substation maintenance . . . . .					3,009.59
Distribution system, operation and maintenance . . . . .	1,928.28	1,234.59	2,143.23	264.99	7,053.09
Line transformer maintenance . . . . .	500.27	12.30	252.02	7.83	888.87
Meter maintenance . . . . .	708.90	161.29	778.11	172.80	4,014.97
Consumers' premises expenses . . . . .	558.32		413.30	65.74	1,335.99
Street lighting, operation and main- tenance . . . . .	390.35	145.50	688.32	22.26	4,428.50
Promotion of business . . . . .					
Billing and collecting . . . . .	1,624.33	781.51	1,938.43	325.39	6,555.96
General office, salaries and expenses . . . . .	1,105.20	595.39	1,553.99	52.12	13,801.14
Undistributed expenses . . . . .	144.62	222.22	85.11	6.00	806.12
Truck operation and maintenance . . . . .	444.45		468.64		
Interest . . . . .	233.03		1,611.12	64.82	
Sinking fund and principal payments on debentures . . . . .	1,219.95		3,321.37	189.95	
Depreciation . . . . .	2,502.00	1,320.00	7,178.00	313.00	20,282.00
Other reserves . . . . .					
<b>Total operating costs and fixed charges . . . . .</b>	<b>60,580.37</b>	<b>13,107.20</b>	<b>70,079.30</b>	<b>4,207.45</b>	<b>323,161.90</b>
<b>Net surplus . . . . .</b>	<b>5,510.35</b>	<b>1,964.68</b>	<b>4,666.51</b>		<b>18,915.89</b>
<b>Net loss . . . . .</b>				<b>429.27</b>	
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	783	222	1,303	86	5,550
Commercial light service . . . . .	134	81	247	28	790
Power service . . . . .	28	9	20		134
<b>Total . . . . .</b>	<b>945</b>	<b>312</b>	<b>1,570</b>	<b>114</b>	<b>6,474</b>



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler
1,369	155,511	1,292	1,092	686	3,037
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,718.26	894,646.18	7,418.57	10,580.79	4,627.18	17,381.11
6,157.40	518,706.93	5,230.73	5,287.77	2,226.51	5,442.65
17,150.78	2,528,571.07	5,981.44	3,738.11	3,077.32	54,737.99
	79,233.29	384.06			990.39
2,170.00	124,507.78	1,606.50	1,455.00	1,008.00	3,200.50
			190.91		
1,098.85	73,381.30	231.29	15.18	364.52	1,399.98
33,295.29	4,219,046.55	20,852.59	21,267.76	11,303.53	83,152.62
25,721.56	3,119,688.38	13,473.10	16,434.79	7,753.62	64,705.52
	72,440.04				406.36
	9,741.27				
2,377.84	33,427.84	1,320.00	173.17	670.12	3,871.55
234.97	7,445.42	36.45	13.67		129.25
412.47	31,495.04	181.81	104.76	12.22	420.88
59.80	44,076.84	358.46	519.69	42.92	1,335.24
384.02	15,385.16	264.36	203.47	148.58	602.19
70.00	28,300.50		98.00		127.21
727.29	68,221.33	793.66	832.12	262.50	1,075.62
635.34	58,159.13	416.89	525.55	310.62	1,393.98
47.63	29,552.53	28.16	45.73	4.83	552.44
363.68		79.20			407.82
53.15	105,260.55	256.57	56.58	189.00	999.07
337.16	301,684.38	763.64	828.94	499.05	2,733.20
1,451.00	157,851.20	1,335.00	1,161.00	887.00	3,439.00
32,875.91	4,082,729.61	19,307.30	20,997.47	10,780.46	82 199.33
419.38	136,316.94	1,545.29	270.29	523.07	953.29
391	40,810	385	325	217	808
120	5,314	103	82	59	97
13	1,295	12	7	14	28
524	47,419	500	414	290	933

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality .....	Highgate	Humber- stone	Ingersoll	Jarvis	Kingsville
Population .....	322	2,831	5,756	536	2,453
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,690.82	10,597.65	32,631.00	2,933.52	14,601.74
Commercial light service.....	832.18	3,711.77	17,234.14	2,186.23	8,754.58
Commercial power service.....	1,164.65	4,676.56	39,814.09	3,420.19	4,971.84
Municipal power.....	30.00	.....	1,515.74	.....	1,173.39
Street lighting.....	567.00	1,663.12	4,841.52	858.00	2,884.44
Merchandise.....	.....	.....	360.42	.....	.....
Miscellaneous.....	117.65	729.52	532.91	252.52	1,309.12
Total earnings.....	4,402.30	21,378.62	96,929.82	9,650.46	33,695.11
<b>EXPENSES</b>					
Power purchased.....	2,963.93	11,352.96	71,912.72	6,706.10	19,494.69
Substation operation.....	.....	.....	504.41	.....	.....
Substation maintenance.....	.....	.....	.....	.....	.....
Distribution system, operation and maintenance.....	95.48	1,279.26	3,347.00	139.13	1,648.44
Line transformer maintenance.....	1.50	56.60	532.15	.....	40.30
Meter maintenance.....	140.63	445.92	717.43	.....	575.30
Consumers' premises expenses.....	.....	.....	1,247.52	.....	173.20
Street lighting, operation and main- tenance.....	64.41	113.51	691.74	61.31	785.70
Promotion of business.....	.....	.....	764.94	.....	60.00
Billing and collecting.....	308.50	875.70	1,478.44	527.32	1,874.00
General office, salaries and expenses.....	135.94	293.32	3,799.74	54.14	1,367.40
Undistributed expenses.....	11.28	18.27	517.26	7.61	409.70
Truck operation and maintenance.....	.....	183.30	303.51	.....	387.20
Interest.....	.....	480.00	202.09	130.38	1,357.20
Sinking fund and principal payments on debentures.....	.....	2,000.00	606.32	748.26	1,076.40
Depreciation.....	513.00	1,344.00	5,039.00	554.00	2,585.00
Other reserves.....	.....	.....	.....	.....	.....
Total operating costs and fixed charges.....	4,234.67	18,447.84	91,714.27	8,928.25	31,835.10
Net surplus.....	167.63	2,930.78	5,215.55	722.21	1,859.90
Net loss.....	.....	.....	.....	.....	.....
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	102	712	1,505	150	600
Commercial light service.....	36	73	223	45	100
Power service.....	6	8	47	3	10
Total.....	144	793	1,775	198	800

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Kitchener	Lambeth	La Salle	Leamington	Listowel	London
33,281	P.V.	907	6,048	2,984	75,176
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
235,966.18	3,350.37	7,566.64	27,362.01	18,003.67	569,223.31
147,522.32	1,331.27	1,546.44	19,333.05	12,973.85	238,446.77
379,445.48	18.41	283.20	17,280.31	17,488.17	466,696.09
23,838.42	495.55	.....	2,208.44	1,094.94	34,655.59
32,239.06	763.00	804.00	5,699.89	4,505.04	56,265.62
.....	.....	2.01	.....	.....	7,891.35
210.00	62.50	88.30	1,242.95	660.48	31,128.85
819,221.46	6,021.10	10,290.59	73,126.65	54,726.15	1,404,307.58
603,083.60	4,306.74	6,883.69	50,493.08	39,671.63	920,491.92
12,677.05	.....	.....	.....	.....	14,106.45
1,278.01	.....	.....	.....	80.92	18,124.23
8,694.55	99.48	206.68	2,060.93	2,515.00	15,607.94
803.76	12.81	7.64	99.63	111.10	3,033.11
5,157.51	49.02	368.94	794.05	481.19	23,638.16
17,024.21	58.28	222.25	531.49	317.40	37,274.49
7,577.47	110.57	70.98	1,185.43	752.95	11,501.67
1,397.84	.....	7.33	47.00	68.32	19,201.28
13,120.66	287.13	429.89	1,825.03	1,110.95	26,532.82
13,372.32	37.53	162.31	3,271.88	830.24	31,861.41
3,198.49	.....	5.20	718.48	97.14	16,036.90
.....	.....	.....	365.07	308.41	7,523.87
9,378.69	7.63	349.05	.....	.....	22,658.21
39,085.25	.....	1,009.82	.....	.....	38,414.31
45,228.00	508.00	1,170.00	4,885.00	3,742.00	126,928.97
.....	.....	.....	165.46	.....	6,152.89
781,077.41	5,477.19	10,893.78	66,442.53	50,087.25	1,339,088.63
38,144.05	543.91	.....	6,684.12	4,638.90	65,218.95
.....	.....	603.19	.....	.....	.....
8,281	134	243	1,599	785	18,571
1,111	23	14	276	157	2,015
263	3	2	36	24	453
9,655	160	259	1,911	966	21,039



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	London Twp.	Long Branch 5,147	Lucan 643	Lynden P.V.	Markham 1,197
Population.....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	14,149.52	31,600.12	4,684.17	2,586.66	7,947.95
Commercial light service.....	2,082.82	7,015.06	2,433.41	759.23	3,312.51
Commercial power service.....	1,806.92	1,672.55	1,370.24	834.73	2,886.62
Municipal power.....		1,108.90			361.71
Street lighting.....	1,454.40	4,266.48	1,467.68	440.00	1,698.00
Merchandise.....					
Miscellaneous.....	129.02	243.47	137.57	31.06	347.10
Total earnings.....	19,622.68	45,906.58	10,093.07	4,651.68	16,553.89
<b>EXPENSES</b>					
Power purchased.....	14,440.63	24,781.31	5,743.00	3,569.63	11,181.23
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	721.19	3,289.60	355.44	61.73	1,221.54
Line transformer maintenance.....		181.95	8.10	4.50	
Meter maintenance.....	452.74	527.74	354.25	12.87	109.90
Consumers' premises expenses.....	644.29	740.97	333.04	6.00	202.20
Street lighting, operation and main- tenance.....	324.62	539.82	187.04	48.41	155.00
Promotion of business.....					42.00
Billing and collecting.....	861.04	2,827.94	510.49		822.60
General office, salaries and expenses.....	504.10	2,239.96	424.95	215.18	176.70
Undistributed expenses.....		788.65	39.49	30.84	12.60
Truck operation and maintenance.....					141.80
Interest.....	291.28	385.78	105.63	72.64	
Sinking fund and principal payments on debentures.....	779.21	2,130.28	382.26	236.64	
Depreciation.....	1,202.00	2,948.00	805.00	357.00	1,033.00
Other reserves.....					
Total operating costs and fixed charges.....	20,221.10	41,382.00	9,248.69	4,615.44	15,098.00
Net surplus.....		4,524.58	844.38	36.24	1,455.00
Net loss.....	598.42				
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	455	1,501	177	101	3
Commercial light service.....	20	99	51	17	
Power service.....	5	7	6	2	
Total.....	480	1,607	234	120	4

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Merlin P.V.	Merritton 2,916	Milton 1,915	Milverton 994	Mimico 7,194	Mitchell 1,670	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,587.08	15,133.73	12,993.02	5,130.07	60,948.58	13,017.73	992.95
2,292.78	3,710.32	6,949.90	4,272.81	11,440.43	6,343.69	1,333.89
802.40	171,295.58	26,073.79	3,178.55	5,272.21	4,785.80	42.79
	2,007.74		516.20	8,391.77	1,094.72	
795.36	3,331.52	2,141.96	1,035.00	8,337.44	2,590.25	350.00
					1,078.69	
531.72	513.99	1,454.51	172.93	1,880.05	293.23	37.62
7,009.34	195,992.88	49,613.18	14,305.56	96,270.48	29,204.11	2,757.25
3,635.98	159,247.16	36,473.30	9,650.50	55,591.15	18,448.99	1,879.99
	415.19			355.69		
		276.82			39.96	
330.62	2,665.61	2,845.55	759.98	7,372.17	1,082.86	32.30
	67.89	40.68		54.19	133.66	
10.42	726.40	531.78	252.02	1,740.86	354.04	10.20
96.36	18.35	419.41	74.38	1,526.27	583.44	
42.46	601.96	291.88	168.22	897.24	842.01	51.71
243.69	1,898.82	896.44	692.74	3,280.49	878.31	
235.42	1,929.12	1,228.04	435.89	1,490.88	1,310.04	119.05
1.67	155.81	77.57	16.65	308.41	436.29	5.65
	288.67	337.91		443.11	541.24	
106.32	382.23	164.42		2,303.65		0.75
1,070.77	2,307.66	1,074.11		7,156.06		
486.00	4,168.00	2,700.00	855.00	7,145.00	3,671.00	256.00
6,259.71	174,872.87	47,357.91	12,905.38	89,665.17	28,321.84	2,355.65
749.63	21,120.01	2,255.27	1,400.18	6,605.31	882.27	401.60
124	846	530	256	2,053	508	55
50	69	103	75	172	125	30
2	18	16	10	20	22	1
176	933	649	341	2,245	655	86

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Mount Brydges P.V.	Newbury 288	New Hamburg 1,441	New Toronto 7,514	Niagara Falls 18,770
Population . . . . .					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	2,958.98	1,260.35	10,559.05	40,823.27	133,612.24
Commercial light service . . . . .	1,142.21	585.78	4,981.08	20,813.91	74,541.74
Commercial power service . . . . .	967.61	306.07	7,190.99	246,833.16	87,066.80
Municipal power . . . . .				13,332.13	14,070.49
Street lighting . . . . .	844.00	720.00	2,217.00	7,767.44	26,935.73
Merchandise . . . . .			114.33		
Miscellaneous . . . . .	255.95	38.98	269.71	2,891.39	3,280.15
Total earnings . . . . .	6,168.75	2,911.18	25,332.16	332,461.30	339,507.15
<b>EXPENSES</b>					
Power purchased . . . . .	3,463.45	1,241.70	16,305.61	271,990.57	180,352.29
Substation operation . . . . .			223.57		10,111.52
Substation maintenance . . . . .			43.49		
Distribution system, operation and maintenance . . . . .	62.39	136.92	834.56	6,811.57	7,344.13
Line transformer maintenance . . . . .	45.80		83.44	156.69	1,044.38
Meter maintenance . . . . .	153.20	40.16	396.06	1,860.98	6,218.64
Consumers' premises expenses . . . . .	19.46		147.76	135.74	3,677.47
Street lighting, operation and main- tenance . . . . .	39.44	66.17	252.30	992.15	1,827.18
Promotion of business . . . . .					
Billing and collecting . . . . .	250.47	60.00	776.30	3,216.31	7,387.95
General office, salaries and expenses . . . . .	77.76	91.70	1,154.08	8,053.68	11,376.05
Undistributed expenses . . . . .	5.00	10.76	264.13	1,044.53	9,356.86
Truck operation and maintenance . . . . .			206.54	690.86	1,992.22
Interest . . . . .	55.93	38.50		70.86	7,260.63
Sinking fund and principal payments on debentures . . . . .	234.39	700.00		449.55	33,390.79
Depreciation . . . . .	450.00	402.00	1,685.00	7,464.00	30,605.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	4,857.29	2,787.91	22,372.84	302,937.49	311,945.11
Net surplus . . . . .	1,311.46	123.27	2,959.32	29,523.81	27,562.04
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	150	70	372	1,908	4,817
Commercial light service . . . . .	35	19	94	223	77
Power service . . . . .	5	1	15	35	10
Total . . . . .	190	90	481	2,166	5,704



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Niagara-on-the-Lake 1,764	North York Twp.	Norwich 1,301	Oil Springs 541	Otterville P.V.	Palmerston 1,400	Paris 4,427
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
16,501.12	208,705.29	8,724.30	1,846.51	2,473.13	8,596.44	25,047.60
10,938.23	37,091.77	4,671.27	1,486.78	2,121.47	5,405.06	8,699.22
635.18	62,835.29	1,868.41	6,016.89	508.36	5,244.23	22,461.21
1,443.73	7,403.20				1,294.98	
3,669.26	4,137.31	2,211.65	642.58	896.28	2,628.00	5,555.50
245.24		513.15	4.70			
504.85	2,684.82	205.17	365.21	50.00	2,439.59	1,310.28
33,937.61	322,857.68	18,193.95	10,362.67	6,049.24	25,608.30	63,073.81
16,455.71	173,869.34	11,461.58	6,799.83	3,455.09	17,580.78	43,960.13
463.18					336.95	963.75
					79.64	
1,784.59	19,009.77	2,098.87	702.07	484.86	366.91	4,672.85
188.39	931.57	72.89	122.59	30.78	110.54	301.48
256.58	2,327.58	255.29	154.48	151.94	355.05	939.82
274.16	3,609.55	168.17	20.00		713.17	463.41
546.06	1,023.66	335.37	98.96	226.03	347.11	1,512.06
		130.00				
1,696.74	8,113.72	590.83	624.94	322.77	724.55	1,357.73
1,725.11	8,107.29	608.92	157.97	222.46	456.53	1,036.76
102.09	644.27	262.35	10.22	5.00	57.39	247.52
537.71	5,449.16	312.24			286.80	608.36
723.83	14,902.24	60.09		3.07	55.98	186.26
1,472.88	30,451.22	835.26			400.09	1,068.94
2,428.00	19,490.00	1,112.00	1,003.00	620.00	1,641.00	6,254.00
28,655.03	287,929.37	18,303.86	9,694.06	5,522.00	23,512.49	63,573.07
5,282.58	34,928.31		668.61	527.24	2,095.81	
		109.91				499.26
579	5,907	369	102	142	397	1,173
112	418	91	33	48	103	192
11	44	8	34	4	14	25
702	6,369	468	169	194	514	1,390

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Parkhill	Petrolia	Platts- ville P.V.	Point Edward 1,175	Port Colborne 6,772
Population.....	1,029	2,772			
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	6,039.98	13,088.80	2,645.74	6,203.60	31,583.28
Commercial light service.....	3,550.43	9,108.59	1,388.70	2,412.03	18,603.48
Commercial power service.....	935.43	25,349.80	1,942.70	42,290.86	21,105.70
Municipal power.....	606.56				7,769.46
Street lighting.....	1,592.38	2,820.00	408.00	1,802.64	8,701.43
Merchandise.....		408.02		126.00	2,858.44
Miscellaneous.....	142.30	622.93	91.05	570.78	1,601.65
Total earnings.....	12,867.08	51,398.14	6,476.19	53,405.91	92,223.44
<b>EXPENSES</b>					
Power purchased.....	9,359.68	31,531.77	4,280.20	48,066.50	45,810.48
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	317.64	4,555.73	1.41	277.36	4,834.35
Line transformer maintenance.....		126.43		10.00	312.44
Meter maintenance.....	183.71	840.19	129.39	132.39	1,806.56
Consumers' premises expenses.....	173.18	222.11			90.79
Street lighting, operation and main- tenance.....	201.14	464.25	16.60	229.57	2,560.46
Promotion of business.....		55.38		15.00	52.75
Billing and collecting.....	405.57	1,364.61	251.80	928.48	2,312.17
General office, salaries and expenses.....	88.62	2,140.23	29.72	719.38	3,219.40
Undistributed expenses.....	7.80	140.47	6.38	20.98	190.94
Truck operation and maintenance.....		619.62			559.34
Interest.....	59.69	565.61	60.42	195.58	1,979.51
Sinking fund and principal payments on debentures.....	376.00	1,842.64	280.25	690.58	6,777.94
Depreciation.....	945.00	3,911.00	357.00	1,409.00	6,064.00
Other reserves.....					
Total operating costs and fixed charges.....	12,118.03	48,380.04	5,413.17	52,694.82	76,571.13
Net surplus.....	749.05	3,018.10	1,063.02	711.09	15,652.31
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	300	798	114	328	1,590
Commercial light service.....	70	183	25	45	26
Power service.....	5	59	2	9	2
Total.....	375	1,040	141	382	1,880

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Port Credit 1,906	Port Dalhousie 1,599	Port Dover 1,790	Port Rowan 700	Port Stanley 1,268	Preston 6,337	Princeton P.V.
\$ c	\$ c	\$ c	\$ c	\$ c	\$ c	\$ c
17,844.86	18,873.34	10,033.66	2,938.84	15,767.37	34,775.76	2,602.83
7,721.87	4,128.31	5,277.86	2,066.72	4,868.94	22,553.70	1,059.82
3,686.74	5,803.68	4,607.88	117.56	2,739.43	55,450.87	1,744.91
1,158.85				872.48	1,213.24	
2,834.38	1,600.50	2,739.02	863.99	2,521.95	5,545.51	468.00
404.32	585.47	167.79	147.50	429.34	816.34	96.02
33,651.02	30,991.30	22,826.21	6,134.61	27,199.51	120,355.42	5,971.58
20,407.95	19,807.46	14,008.55	3,476.92	17,743.95	85,838.88	4,744.92
					4,941.84	
1,473.74	1,935.88	2,360.13	89.05	2,392.31	2,824.85	52.37
74.73	51.50	108.90	15.00	32.75	211.69	13.50
263.63	569.63	528.78	174.96	423.00	664.95	151.10
1,073.30	277.06	11.65		102.97	509.14	86.68
482.06	339.01	269.22	102.85	308.35	373.63	62.10
		80.00				
1,222.61	1,096.51	456.71	182.21	833.00	1,723.02	215.64
165.93	1,245.52	1,067.97	42.79	767.72	2,526.09	65.17
94.79	66.34	202.47	6.78	40.16	738.13	1.65
	398.70	289.77		513.33	405.12	
233.14	350.49	5.20	321.22	19.22	1,016.07	40.95
789.55	387.97		637.81	384.10	3,479.43	189.98
2,153.00	1,338.00	1,867.00	481.00	1,753.00	10,493.00	296.00
	200.00					
28,434.43	28,064.07	21,256.35	5,530.59	25,313.86	115,745.84	5,920.06
5,216.59	2,927.23	1,569.86	604.02	1,885.65	4,609.58	51.52
594	662	677	147	757	1,557	91
91	69	107	39	104	231	21
10	13	15	3	9	44	3
695	744	799	189	870	1,832	115



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Queenston	Richmond Hill	Ridge- town	Riverside	Rockwood
Population . . . . .	P.V.	1,317	1,986	5,235	P.V.
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .	3,558.13	10,199.32	9,277.96	40,070.36	4,256.59
Commercial light service . . . . .	2,000.38	4,404.90	8,116.45	6,052.33	850.72
Commercial power service . . . . .		1,995.14	4,428.58	2,880.31	192.91
Municipal power . . . . .		386.07	1,186.20	3,111.14	
Street lighting . . . . .	397.35	1,527.00	3,504.84	3,797.40	815.25
Merchandise . . . . .			349.38	518.59	
Miscellaneous . . . . .	94.54	36.84	787.58	753.63	51.22
Total earnings . . . . .	6,050.40	18,549.27	27,650.99	57,183.76	6,166.69
<b>EXPENSES</b>					
Power purchased . . . . .	2,950.07	12,870.42	17,697.91	32,202.43	3,595.33
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	95.67	676.51	1,413.43	2,165.66	174.30
Line transformer maintenance . . . . .	2.64		56.67	234.80	
Meter maintenance . . . . .	182.36	285.23	324.24	657.80	65.07
Consumers' premises expenses . . . . .	96.39	591.94	504.31	1,093.36	90.00
Street lighting, operation and main- tenance . . . . .	107.99	292.59	578.34	580.56	179.16
Promotion of business . . . . .				170.00	
Billing and collecting . . . . .	219.19	781.31	1,332.59	2,150.65	
General office, salaries and expenses . . . . .	218.60	274.09	806.32	2,724.84	637.53
Undistributed expenses . . . . .	5.63		147.79	415.64	2.00
Truck operation and maintenance . . . . .			326.29	310.01	
Interest . . . . .	60.59	44.31	192.76	1,113.40	83.31
Sinking fund and principal payments on debentures . . . . .	735.30	280.94	570.06	5,993.43	117.29
Depreciation . . . . .	465.00	717.00	1,836.00	4,879.00	596.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	5,139.43	16,814.34	25,786.71	54,691.58	5,539.99
Net surplus . . . . .	910.97	1,734.93	1,864.28	2,492.18	626.70
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	84	388	589	1,433	172
Commercial light service . . . . .	16	73	140	57	27
Power service . . . . .		14	20	12	2
Total . . . . .	100	475	749	1,502	201

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Rodney 758	St. Catharines 28,625	St. Clair Beach *138	St. George P.V.	St. Jacobs P.V.	St. Marys 4,009
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,407.95	162,450.88	2,622.98	3,202.31	3,988.45	27,901.55
2,509.52	103,578.30	2,581.63	1,569.14	1,754.81	10,880.96
1,946.82	336,935.15	283.70	2,389.60	4,568.22	22,021.79
1,275.00	27,277.49		511.00	430.00	3,270.67
59.98	3,536.98	154.50	155.34	182.45	4,925.25
9,199.27	633,778.80	5,642.81	7,827.39	10,923.93	436.49
6,444.53	471,887.22	3,687.55	5,049.59	8,567.17	69,436.71
	7,108.92				
500.63	17,807.81	245.53	113.47	130.99	43,148.77
13.50	1,778.08		5.25		1,823.72
99.13	9,724.25	58.34	20.00	24.50	484.49
	2,856.90	57.35			2,637.87
161.42	3,723.50		155.63	48.65	290.57
	575.17				1,082.65
319.85	14,948.16	257.71	500.99	396.28	1,515.35
449.31	11,769.31	93.20	113.08	223.10	1,169.86
16.26		1.47	7.59	6.90	95.96
	578.71				1,354.02
	9,216.67	40.10	80.13		2,103.49
	5,568.29	573.45	332.70		218.93
595.00	26,368.00	445.00	410.00	439.00	582.77
	5,000.00				1,202.08
8,599.63	588,910.99	5,459.70	6,788.43	9,836.59	3,236.37
599.64	44,867.81	183.11	1,038.96	1,087.34	6,165.00
					200.00
249	7,684	89	150	136	67,311.90
74	1,042	7	35	29	2,124.81
6	216	1	1	7	
329	8,942	97	186	172	

\*Summer Population 288.

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	St. Thomas	Sarnia	Scarborough Twp.	Seaforth
Population.....	16,461	17,979		1,782
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	134,560.58	98,054.87	119,233.16	11,148.23
Commercial light service.....	61,218.66	57,840.83	26,611.07	6,393.09
Commercial power service.....	61,168.61	190,167.15	18,480.17	4,340.98
Municipal power.....	7,454.01	4,531.39	14,813.35	664.14
Street lighting.....	14,961.54	20,370.66	15,667.70	2,039.00
Merchandise.....		2,566.18		
Miscellaneous.....	3,138.53	10,766.72		58.42
<b>Total earnings.....</b>	<b>282,501.93</b>	<b>384,297.80</b>	<b>194,805.45</b>	<b>24,643.86</b>
<b>EXPENSES</b>				
Power purchased.....	189,828.03	275,492.94	103,417.50	16,924.37
Substation operation.....	8,438.16	11,676.90	107.76	
Substation maintenance.....	870.26	1,005.23		85.62
Distribution system, operation and maintenance.....	9,665.01	8,283.06	8,457.08	1,036.64
Line transformer maintenance.....	554.98	776.32	1,416.04	109.88
Meter maintenance.....	2,666.57	5,358.47	3,224.11	402.47
Consumers' premises expenses.....	21,174.10	4,575.64	2,767.34	632.57
Street lighting, operation and main- tenance.....	3,001.13	5,841.00	2,043.70	470.77
Promotion of business.....	3,889.28	3,064.70		0.27
Billing and collecting.....	7,167.38	8,304.73	6,756.99	1,014.10
General office, salaries and expenses.....	9,346.04	10,528.21	4,681.63	1,037.17
Undistributed expenses.....	5,579.15	4,668.06	1,412.83	127.17
Truck operation and maintenance.....		1,607.14	1,410.29	459.67
Interest.....	613.42	645.28	2,953.30	
Sinking fund and principal payments on debentures.....	1,762.44	2,701.89	16,908.49	
Depreciation.....	17,881.00	23,225.00	15,898.00	2,349.00
Other reserves.....		511.46	38.94	
<b>Total operating costs and fixed charges.....</b>	<b>282,436.95</b>	<b>368,266.03</b>	<b>171,494.00</b>	<b>24,699.44</b>
<b>Net surplus.....</b>	<b>64.98</b>	<b>16,031.77</b>	<b>23,311.45</b>	
<b>Net loss.....</b>				<b>55.60</b>
<b>NUMBER OF CONSUMERS</b>				
Domestic service.....	4,524	4,827	5,369	50
Commercial light service.....	603	645	369	10
Power service.....	86	84	37	
<b>Total.....</b>	<b>5,213</b>	<b>5,556</b>	<b>5,775</b>	<b>60</b>



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 9141

Simcoe 6,340	Smithville *P.V.	Springfield 382	Stamford Twp.	Stouffville 1,198	Stratford 17,163	Strathroy 2,834
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
27,230.88	4,194.66	1,975.82	64,674.79	6,941.01	138,305.80	21,491.71
31,856.59	3,086.29	843.63	15,225.36	4,039.18	58,541.46	12,372.36
27,608.15	2,904.98	891.65	16,149.48	934.19	60,089.11	10,558.47
1,637.15			1,143.01		9,512.49	1,340.36
5,144.43	1,447.00	611.50	8,208.00	1,397.00	17,113.77	4,095.96
381.63			1,959.58		1,422.19	70.61
2,073.72	111.57	91.87	1,128.90	476.72	9,035.17	1,071.25
95,932.55	11,744.50	4,414.47	108,489.12	13,788.10	294,019.99	51,000.72
61,912.75	5,995.37	2,619.60	43,313.09	9,227.40	183,407.10	36,066.13
373.28			646.81		5,779.54	
					2,768.83	390.56
3,846.59	684.14	302.45	8,132.57	498.82	7,013.87	1,120.00
110.84		32.97	279.10		407.65	162.69
1,583.67	65.80	132.04	2,221.19	116.18	2,547.88	487.51
227.53	40.17		3,751.43	92.39	8,030.63	1,091.80
663.83	205.32	67.17	739.38	250.48	4,984.35	562.28
102.37			318.26		1,465.41	393.99
2,872.80	885.65	500.02	2,861.29	772.03	7,005.04	895.60
2,412.64	178.54	47.18	4,839.13	378.57	9,012.17	2,301.44
191.84	23.80	5.63	1,364.34		3,272.63	458.65
1,017.20			1,981.07		1,719.54	888.88
1,522.08	346.89	118.87	4,257.81		13,950.00	1,139.14
4,439.82	707.97	258.87	11,683.68		6,824.05	2,185.84
5,171.00	418.00	417.00	8,530.00	735.00	26,697.00	4,301.00
					400.00	
86,448.24	9,551.65	4,501.80	94,919.15	12,070.87	285,285.69	52,445.51
9,484.31	2,192.85		13,569.97	1,717.23	8,734.30	
		87.33				1,444.79
1,613	186	108	2,099	380	4,443	820
383	54	33	166	87	586	165
44	5	3	19	5	117	30
2,040	245	144	2,284	472	5,146	1,015

\*13 months' operation.

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Streets- ville 697	Sutton 949	Swansea 6,606	Tavistock 1,080	Tecumseh 2,237
Population . . . . .					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .	5,086.92	8,668.16	78,977.41	8,516.45	14,511.74
Commercial light service . . . . .	1,841.51	4,050.24	10,529.01	4,019.93	5,638.93
Commercial power service . . . . .	4,257.24	1,055.04	20,543.25	8,975.83	2,732.31
Municipal power . . . . .			2,555.49	447.07	
Street lighting . . . . .	1,358.50	2,203.34	4,942.19	1 317.60	1,378.00
Merchandise . . . . .					
Miscellaneous . . . . .	637.34	92.55	833.64	215.16	246.85
Total earnings . . . . .	13,181.51	16,069.33	118,380.99	23,492.04	24,507.83
<b>EXPENSES</b>					
Power purchased . . . . .	5,588.37	9,558.33	78,943.73	18,527.44	12,540.00
Substation operation . . . . .	1,309.58				
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	797.44	437.35	2,257.28	959.31	1,386.77
Line transformer maintenance . . . . .	19.20		42.50		32.62
Meter maintenance . . . . .	198.14	47.60	1,192.76	167.89	582.15
Consumers' premises expenses . . . . .		213.20	1,721.96	317.31	280.78
Street lighting, operation and main- tenance . . . . .	124.88	218.24	395.98	259.51	440.65
Promotion of business . . . . .					
Billing and collecting . . . . .	703.32	542.34	3,356.40	718.97	932.93
General office, salaries and expenses . . . . .	322.29	267.47	3,010.98	393.98	1,300.56
Undistributed expenses . . . . .	25.64	34.65	369.46	27.43	89.88
Truck operation and maintenance . . . . .		251.90	756.10		486.91
Interest . . . . .	556.00	250.08	2,650.60	99.08	177.87
Sinking fund and principal payments on debentures . . . . .	567.39	2,066.61	3,284.49	291.24	2,194.54
Depreciation . . . . .	991.00	1,178.00	5,439.00	1,227.00	1,855.00
Other reserves . . . . .			184.15		
Total operating costs and fixed charges . . . . .	11,203.25	15,065.77	103,605.39	22,989.16	22,300.66
Net surplus . . . . .	1,978.26	1,003.56	14,775.60	502.88	2,207.17
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	198	453	2,036	298	641
Commercial light service . . . . .	50	77	99	96	5
Power service . . . . .	6	3	16	9	
Total . . . . .	254	533	2,151	403	69

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Thamesford P.V.	Thames- ville 816	Thedford 598	Thorndale P.V.	Thorold 5,080	Tilbury 1,989	Tillsonburg 4,602
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,480.19	3,650.49	3,199.87	1,750.19	20,895.35	7,114.19	19,279.35
1,551.76	3,282.07	2,595.76	791.32	8,586.53	9,421.40	18,609.85
1,702.95	1,721.19	912.02	1,114.98	39,088.01	13,058.49	12,144.91
	179.47			2,069.90	225.00	1,562.85
517.00	1,337.76	1,065.00	384.00	3,563.40	1,876.07	5,049.54
					0.85	1,124.58
352.87	364.10	157.50	53.96	1,758.04	472.84	83.60
7,604.77	10,535.08	7,930.15	4,094.45	75,961.23	32,168.84	57,854.68
6,549.85	6,784.76	4,417.54	3,007.56	51,278.33	26,641.65	35,152.43
				3,270.33		1,001.54
248.82	513.12	146.28	207.80	1,871.28	1,300.53	2,716.74
35.50	25.75		33.44	194.95	29.73	138.11
125.80	65.87	24.20	89.52	469.33	433.30	559.93
101.16	6.00			167.73	49.81	44.11
74.03	329.00	68.00	44.90	1,068.06	163.15	675.77
				154.62	3.00	238.91
269.41	319.92	249.60	130.78	1,725.80	600.64	1,983.52
131.39	221.05	66.72	78.97	1,297.89	826.37	3,785.28
	21.31	8.09		164.13	195.51	283.48
				150.45	320.20	568.72
30.36		81.50	34.00		151.04	436.05
169.80		1,357.05	128.63		575.45	1,804.52
539.00	938.00	543.00	339.00	3,721.00	1,620.00	4,123.00
8,275.12	9,224.78	6,961.98	4,094.60	65,533.90	32,910.38	53,512.11
	1,310.30	968.17		10,427.33		4,342.57
670.35			0.15		741.54	
134	246	156	76	1,227	471	1,200
40	77	49	23	164	135	238
6	7	2	2	16	13	35
180	330	207	101	1,407	619	1,473



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Toronto	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2
Population.....	648,098			
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,133,580.55	74,877.18	14,574.09	4,857.18
Commercial light service.....	3,009,350.20	23,929.11	568.16	764.39
Commercial power service.....	4,651,206.49	9,677.49	806.33	113.27
Municipal power.....	1,259,507.70			
Street lighting.....	464,318.82	5,374.21	*3,410.67	*1,131.04
Merchandise.....				
Miscellaneous.....	196,591.46	2,422.26	511.83	101.20
Total earnings.....	13,714,555.22	116,280.25	19,871.08	6,967.08
EXPENSES				
Power purchased.....	7,512,113.10	67,304.19	10,240.10	4,551.44
Substation operation.....	210,958.27			
Substation maintenance.....	242,629.23			
Distribution system, operation and maintenance.....	314,972.25	6,071.69	2,322.63	550.21
Line transformer maintenance.....	47,235.03	728.16		
Meter maintenance.....	109,166.12	1,484.89	226.19	146.00
Consumers' premises expenses.....	225,912.44	1,357.73		
Street lighting, operation and main- tenance.....	108,501.19	770.05		
Promotion of business.....	152,903.36			
Billing and collecting.....	414,185.21	5,214.68		
General office, salaries and expenses....	355,860.16	6,633.45	1,546.92	596.68
Undistributed expenses.....	258,780.11	436.42	51.13	7.88
Truck operation and maintenance.....		1,950.88	603.73	
Interest.....	595,065.16	1,197.91	248.35	269.60
Sinking fund and principal payments on debentures.....	1,169,684.94	6,735.43	1,425.24	775.24
Depreciation.....	1,110,791.92	12,365.00	1,568.00	474.00
Other reserves.....				
Total operating costs and fixed charges.....	12,828,758.49	112,250.48	18,232.29	7,371.05
Net surplus.....	885,796.73	4,029.77	1,638.79	
Net loss.....				403.97
NUMBER OF CONSUMERS				
Domestic service.....	150,806	2,653	374	159
Commercial light service.....	24,362	180	4	17
Power service.....	5,036	34	9	1
Total.....	180,204	2,867	387	177

\*Highway Lighting.

“B”—Continued

Hydro Municipalities for Year Ending December 31, 1941

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,802	221	867	1,294	8,690	1,023	11,568
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
21,480.65	1,574.56	5,246.59	6,358.72	68,795.44	8,183.17	60,349.10
15,325.23	1,072.56	1,542.49	3,083.68	28,299.84	3,336.04	41,264.47
67,002.97	49.54	1,214.53	6,227.42	44,582.60	4,324.47	238,250.59
1,671.97		99.06	268.73	3,811.48	327.81	1,679.28
4,847.04	720.00	1,096.58	1,498.00	7,908.20	1,620.96	12,040.84
2,876.43					78.96	
1,332.17	90.00	134.16	266.89	2,364.49	326.27	5,983.98
114,536.46	3,506.66	9,333.41	17,703.44	155,762.05	18,197.68	359,568.26
81,034.66	1,621.75	5,348.32	12,354.15	112,440.71	13,794.80	208,468.41
323.60				1,492.77		6,853.79
				434.73		985.39
3,685.18	196.17	407.25	1,287.03	3,916.47	892.07	3,886.21
248.80			79.83	886.54	14.27	1,605.01
1,407.32	7.11	140.50	173.78	1,438.24	175.66	3,980.07
50.68	44.16		34.20	2,665.37	366.78	2,665.36
903.76	83.78	183.05	297.82	904.22	170.33	1,898.66
92.96					6.90	225.00
2,014.16	110.00	546.11	776.07	3,961.82	571.02	4,480.01
4,155.78	29.91	157.34	392.19	2,563.56	790.93	10,841.25
1,055.37	13.00	32.32	39.22	200.02	36.33	563.96
756.45				664.87	194.81	1,281.19
1,255.12	42.26			105.87		6,620.19
4,241.72	657.82			2,349.81		9,902.61
6,237.00	319.00	932.00	1,271.00	11,855.00	1,112.00	17,253.53
263.70				350.00		
107,726.26	3,124.96	7,746.89	16,705.29	146,230.00	18,125.90	281,510.64
6,810.20	381.70	1,586.52	998.15	9,532.05	71.78	78,057.62
1,246	62	258	376	2,180	299	2,815
250	24	35	77	259	79	437
42	1	7	14	73	6	92
1,538	87	300	467	2,512	384	3,344

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Concluded

Municipality.....	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population.....	P.V.	768	5,289	761	103,571
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,453.71	3,242.79	53,448.02	3,929.74	709,174.98
Commercial light service.....	1,647.38	2,378.79	13,442.57	3,341.33	416,301.38
Commercial power service.....	1,281.89	3,879.52	60,361.89	2,559.96	671,747.74
Municipal power.....			510.93	537.01	19,414.64
Street lighting.....	660.00	1,060.02	7,498.67	1,786.32	107,831.76
Merchandise.....		6.11			8,950.27
Miscellaneous.....	109.12	113.28	23.19	350.00	624.01
Total earnings.....	6,152.10	10,680.51	135,285.27	12,504.36	1,934,044.78
<b>EXPENSES</b>					
Power purchased.....	3,892.51	6,964.96	100,713.49	7,175.59	1,150,972.43
Substation operation.....					37,633.27
Substation maintenance.....			419.20		14,625.24
Distribution system, operation and maintenance.....	248.42	198.17	3,137.06	617.76	56,996.27
Line transformer maintenance.....		14.68	38.90		12,363.87
Meter maintenance.....	74.57	136.57	668.65	210.57	26,986.56
Consumers' premises expenses.....	129.33	148.13	2,916.97	16.15	51,996.26
Street lighting, operation and main- tenance.....	48.95	80.24	740.68	303.49	34,979.90
Promotion of business.....				80.87	16,817.70
Billing and collecting.....	231.71	552.71	1,297.13	518.11	53,724.19
General office, salaries and expenses.....	253.97	268.36	3,316.23	145.68	46,971.32
Undistributed expenses.....	6.17		386.31	73.23	13,947.36
Truck operation and maintenance.....			517.64		
Interest.....			1,188.93	162.98	11,453.19
Sinking fund and principal payments on debentures.....			4,590.47	926.41	130,856.19
Depreciation.....	442.00	835.00	6,693.00	837.00	132,716.00
Other reserves.....					100,000.00
Total operating costs and fixed charges.....	5,327.63	9,198.82	126,624.66	11,067.84	1,893,039.75
Net surplus.....	824.47	1,481.69	8,660.61	1,436.52	41,005.03
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	140	219	1,538	232	24,711
Commercial light service.....	44	52	182	73	3,227
Power service.....	4	7	30	6	482
Total.....	188	278	1,750	311	28,420



“B”—Continued

Hydro Municipalities for Year Ending December 31, 1941

Woodbridge 946	Woodstock 12,325	Wyoming 530	*York Twp.	York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,023.09	79,710.74	2,509.44	519,866.11	546,273.00	3,627.25	11,136,880.39
2,351.38	47,389.13	1,553.37	83,339.68	82,095.06	3,085.89	6,155,448.25
10,406.74	88,871.28	224.92	115,783.66	128,519.62		12,215,256.20
762.85	5,232.34		7,864.20	7,897.92		1,638,200.33
1,134.62	8,880.00	780.00	46,618.78	46,905.68	693.00	1,433,288.43
	433.57					43,386.24
127.52	2,371.39	15.31	21,369.31	985.83	197.56	426,164.02
22,806.20	232,888.45	5,083.04	794,841.74	812,677.11	7,603.70	33,048,623.86
17,731.62	180,249.16	3,131.60	635,649.30	451,256.50	4,678.69	20,506,284.04
	3,545.58		154.49	1,630.13		443,468.08
	244.86					308,698.83
356.83	6,007.21	238.14	278.66	12,571.53	462.07	772,545.27
			102.91	2,412.77		98,211.06
114.39	3,990.01	115.09		5,252.73	166.21	321,521.72
284.80	3,194.82		106.13	10,166.89		539,649.37
118.41	2,170.44	29.74	415.55	6,314.82	49.26	278,333.36
	985.25			40.60		246,677.32
	3,567.28	255.58		24,759.67	216.43	853,472.03
768.12	4,143.52	124.11	1,399.54	28,248.12	105.57	821,031.93
	1,394.68	30.61	755.82	3,513.22	24.93	389,274.96
	1,756.66		288.13			59,323.97
237.65	783.00		9,658.13	9,109.89	95.78	897,105.72
447.49	310.25		28,108.72	29,659.70	268.10	2,073,275.07
1,066.00	17,200.00	498.00	24,490.00	54,363.00	525.00	2,272,711.62
						113,571.25
21,125.31	229,542.72	4,422.87	701,407.38	639,299.57	6,592.04	30,995,155.60
1,680.89	3,345.73	660.17	93,434.36	173,377.54	1,011.66	2,053,468.26
298	3,313	159	20,112	20,908	142	425,385
47	470	50	1,105	1,094	45	59,752
9	96	2	155	178		11,014
354	3,879	211	21,372	22,180	187	496,151

\*1940 operation. Not included in summary.

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM

Municipality.....	Alliston	Arthur	Barrie	Beaverton	Beeton
Population.....	1,715	1,089	10,095	925	617
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	11,981.76	5,530.88	78,652.07	6,585.35	3,531.63
Commercial light service.....	8,389.60	5,035.13	49,284.93	2,804.86	2,264.32
Commercial power service.....	2,378.05	937.74	23,354.10	1,020.77	2,121.68
Municipal power.....	896.86	382.18	1,701.81		
Street lighting.....	1,995.00	1,395.00	6,216.50	1,322.49	1,264.00
Merchandise.....	4.10				
Miscellaneous.....	152.94	15.00	300.02	660.98	77.14
Total earnings.....	25,798.31	13,345.93	159,509.43	12,394.45	9,258.77
<b>EXPENSES</b>					
Power purchased.....	15,981.98	9,421.01	118,856.75	9,611.36	7,617.50
Substation operation.....			733.14		
Substation maintenance.....			3.81		
Distribution system, operation and maintenance.....	859.42	798.85	6,404.76	573.64	249.32
Line transformer maintenance.....			339.76		
Meter maintenance.....	249.54	98.45	811.53	627.06	36.55
Consumers' premises expenses.....	583.94		7,365.46	203.88	
Street lighting, operation and maintenance.....	413.72	173.81	1,277.51	230.51	163.25
Promotion of business.....			197.61		
Billing and collecting.....	859.86		5,345.21	783.38	134.93
General office, salaries and expenses.....	385.92	396.08	2,802.57	378.78	124.74
Undistributed expenses.....	28.42	24.01	396.65	10.68	
Truck operation and maintenance.....			597.64		
Interest.....	873.58	646.11	862.21	176.62	318.08
Sinking fund and principal payments on debentures.....	1,576.89	1,139.75	1,922.73	761.95	660.44
Depreciation.....	1,740.00	1,266.00	9,514.79	1,493.00	777.00
Other reserves.....			116.43	75.00	
Total operating costs and fixed charges.....	23,553.27	13,964.07	157,548.56	14,925.86	10,081.81
Net surplus.....	2,245.04		1,960.87		
Net loss.....		618.14		2,531.41	823.04
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	373	228	2,259	331	138
Commercial light service.....	109	87	431	66	34
Power service.....	15	8	52	9	6
Total.....	497	323	2,742	406	178

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Bradford	Brechin	Cannington	Chatsworth	Chesley	Coldwater	Collingwood
1,041	P.V.	761	333	1,812	606	5,636
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,428.60	1,525.57	5,370.28	2,100.65	9,712.98	3,592.33	31,634.38
4,548.12	649.25	2,391.20	1,304.19	6,078.54	1,303.40	16,029.84
2,937.35	830.72	1,938.55		6,605.72	692.97	30,313.23
363.76				794.80		1,709.97
1,072.00	476.00	1,155.48	533.00	1,386.00	873.00	3,819.75
				23.06		
263.62	7.50	47.85	48.77	175.12	190.74	1,124.65
15,613.45	3,489.04	10,903.36	3,986.61	24,776.22	6,652.44	84,631.82
9,633.40	2,663.56	7,041.32	3,088.72	19,825.11	4,576.71	72,416.19
						214.18
309.08	204.38	521.86	37.23	660.12	349.48	1,740.71
			82.12	160.54		202.12
198.38		179.72	61.65	256.21	167.80	524.29
		48.65		23.30	50.47	5.48
247.94	93.81	294.46	22.36	380.19	222.51	377.60
		29.18				
		468.88		588.26	527.20	1,928.31
495.12				833.96	160.78	1,138.41
251.79	217.15	468.68	356.12			204.76
53.44			15.71	25.96		420.07
				58.38		
673.00	173.67	159.18	0.85	121.40	71.51	
1,346.31	149.65	666.48			410.18	
1,189.00	181.00	961.00	348.00	1,831.00	746.00	5,000.00
10.00		25.00			22.11	89.01
14,407.46	3,683.22	10,864.41	4,012.76	24,764.43	7,304.75	84,261.13
1,205.99		38.95		11.79		370.69
	194.18		26.15		652.31	
238	58	235	96	439	162	1,463
68	18	62	24	101	50	208
10	4	10		22	2	50
316	80	307	120	562	214	1,721



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Cookstown	Creemore	Dundalk	Durham	Elmvale
Population.....	P.V.	661	686	1,874	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,370.88	3,633.71	3,491.92	7,262.60	3,909.94
Commercial light service.....	1,565.12	1,622.32	3,258.82	5,331.90	1,669.30
Commercial power service.....	1,225.53	1,041.19	3,126.56	3,978.94	3,153.12
Municipal power.....				684.27	276.78
Street lighting.....	855.00	756.00	1,066.00	1,622.00	696.00
Merchandise.....				1.32	
Miscellaneous.....	174.60	120.00	150.00	411.36	246.42
Total earnings.....	6,191.13	7,173.22	11,093.30	19,292.39	9,951.56
EXPENSES					
Power purchased.....	3,249.37	6,182.31	8,532.20	15,537.27	6,291.84
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	148.52	171.25	614.89	930.73	290.51
Line transformer maintenance.....				101.40	
Meter maintenance.....	24.90	99.35	85.05	145.51	183.42
Consumers' premises expenses.....		67.14	114.93	31.83	20.73
Street lighting, operation and maintenance.....	124.56	82.49	184.04	258.58	214.58
Promotion of business.....					
Billing and collecting.....	322.68	230.49		696.84	307.70
General office, salaries and expenses.....	94.40	62.01	884.95	698.95	215.01
Undistributed expenses.....	7.29		21.62	54.91	
Truck operation and maintenance.....				225.52	
Interest.....	260.21	5.23			42.32
Sinking fund and principal payments on debentures.....	468.14				413.01
Depreciation.....	661.00	550.00	618.00	1,477.00	786.00
Other reserves.....		15.00			
Total operating costs and fixed charges.....	5,361.07	7,465.27	11,055.68	20,158.54	8,765.12
Net surplus.....	830.06		37.62		1,186.44
Net loss.....		292.05		866.15	
NUMBER OF CONSUMERS					
Domestic service.....	113	167	198	464	199
Commercial light service.....	32	54	73	104	44
Power service.....	3	3	5	13	5
Total.....	148	224	276	581	252

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Elmwood P.V.	Flesherton 452	Grand Valley 645	Gravenhurst 2,261	Hanover 3,190	Holstein P.V.	Huntsville 2,943
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,132.13	2,044.72	3,616.84	10,616.56	21,162.83	1,038.07	13,682.90
697.28	1,704.62	2,292.44	12,894.16	9,093.50	738.70	12,025.74
1,220.42	712.02	1,764.89	14,294.67	20,585.86	261.47	14,369.26
.....	.....	.....	954.91	311.40	.....	1,299.64
396.05	620.00	920.00	2,118.32	2,397.54	345.00	2,792.00
.....	.....	.....	.....	24.12	.....	.....
105.49	149.89	214.59	227.75	1,574.47	82.50	377.04
3,551.37	5,231.25	8,808.76	41,106.37	55,149.72	2,465.74	44,546.58
.....	.....	.....	.....	.....	.....	.....
2,802.21	2,846.23	6,010.95	27,545.88	40,516.80	1,527.71	35,121.16
.....	.....	.....	.....	.....	.....	.....
68.21	285.42	469.67	2,551.17	2,287.80	12.98	2,613.83
14.64	.....	11.00	48.07	98.42	.....	88.71
83.53	73.41	121.95	903.33	377.96	7.20	659.49
.....	4.50	.....	821.32	168.20	.....	131.29
21.56	78.07	99.43	319.30	257.78	16.80	833.45
.....	.....	.....	1,112.91	1,645.66	.....	1,472.94
183.04	355.53	781.22	794.16	1,049.53	190.04	1,476.19
9.64	6.34	8.27	529.16	378.75	0.59	1,238.01
.....	79.65	.....	390.86	244.41	.....	247.88
.....	.....	.....	347.58	493.80	.....	3.00
.....	280.33	.....	.....	1,151.49	.....	.....
286.00	424.00	750.00	2,966.00	4,492.18	167.00	1,690.00
.....	.....	.....	100.00	.....	.....	162.70
3,468.83	4,433.48	8,252.49	38,429.74	53,162.78	1,922.32	45,738.65
82.54	797.77	556.27	2,676.63	1,986.94	543.42	.....
.....	.....	.....	.....	.....	.....	1,192.07
.....	.....	.....	.....	.....	.....	.....
66	129	177	576	803	51	705
20	48	52	118	136	22	139
1	2	4	15	24	2	16
87	179	233	709	963	75	860

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Kin- cardine 2,483	Kirkfield P.V.	Lucknow 977	Markdale 776	Meaford 2,759
Population . . . . .					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	16,047.00	924.78	5,838.72	3,784.00	14,133.55
Commercial light service . . . . .	8,855.66	1,041.30	4,505.05	2,869.43	9,130.80
Commercial power service . . . . .	11,032.65		6,552.58	2,100.30	7,357.27
Municipal power . . . . .	1,353.08		488.72	340.87	1,037.65
Street lighting . . . . .	4,370.00	432.00	1,485.00	1,001.00	3,329.37
Merchandise . . . . .	38.91				
Miscellaneous . . . . .	451.44		105.00	186.53	777.93
Total earnings . . . . .	42,148.74	2,398.08	18,975.07	10,282.13	35,766.57
<b>EXPENSES</b>					
Power purchased . . . . .	27,848.71	1,417.12	13,690.62	6,637.95	24,396.58
Substation operation . . . . .	383.32				
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	1,923.60	189.91	349.71	228.28	2,243.25
Line transformer maintenance . . . . .	26.37		4.50		112.07
Meter maintenance . . . . .	120.16		167.44	120.65	321.78
Consumers' premises expenses . . . . .	58.46			91.13	146.83
Street lighting, operation and main- tenance . . . . .	396.94	35.52	140.12	88.72	532.38
Promotion of business . . . . .					
Billing and collecting . . . . .	785.92				706.35
General office, salaries and expenses . . . . .	804.14	177.74	1,199.64	626.50	918.43
Undistributed expenses . . . . .	133.99		54.15	5.00	226.22
Truck operation and maintenance . . . . .	460.80				369.90
Interest . . . . .	169.94	0.49	142.45	167.64	763.33
Sinking fund and principal payments on debentures . . . . .	1,503.64		1,505.18	488.59	4,632.06
Depreciation . . . . .	2,963.00	286.00	1,089.00	796.00	1,824.00
Other reserves . . . . .		25.00			13.37
Total operating costs and fixed charges . . . . .	37,578.99	2,131.78	18,342.81	9,250.46	37,206.55
Net surplus . . . . .	4,569.75	266.30	632.26	1,031.67	
Net loss . . . . .					1,439.98
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	715	37	261	231	731
Commercial light service . . . . .	118	14	85	75	146
Power service . . . . .	17		6	9	20
Total . . . . .	850	51	352	315	897



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Midland 6,627	Mildmay 764	Mount Forest 1,936	Neustadt 431	Orangeville 2,558	Owen Sound 13,599	Paisley 730
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
36,432.98	3,712.95	9,686.12	2,019.50	16,152.42	62,637.67	4,178.03
18,891.19	2,677.79	9,032.42	1,058.12	10,505.12	50,135.54	2,655.08
63,359.13	952.51	5,095.58	358.15	6,271.84	55,802.88	1,034.49
2,948.97		970.88		1,052.28	791.84	
6,376.00	660.00	2,275.92	702.00	2,689.68	11,855.09	1,183.00
				106.10	129.94	
2,093.17	156.86	204.82	248.09	507.86	901.95	184.16
130,101.44	8,160.11	27,265.74	4,385.86	37,285.30	182,254.91	9,234.76
113,801.35	5,630.42	21,272.55	1,941.24	28,784.89	153,554.70	6,376.16
2,112.87					3,980.25	
240.30						
3,297.07	178.27	466.24	121.69	1,263.38	3,933.47	611.12
52.32		4.70	26.50	54.55	1,692.19	25.21
891.00	92.15	209.20	77.73	502.85	2,391.57	124.95
578.53	135.52			275.12	2.47	
760.37	134.72	309.91	148.38	661.68	1,947.85	64.87
1,523.11					32.90	
2,224.45		656.08		1,274.89	5,013.61	
1,572.45	463.44	208.28	333.96	660.64	5,744.98	577.13
1,111.29	7.23	12.73	18.07	75.82	1,796.66	14.14
584.87		143.23			1,113.74	
24.25	441.61	331.05		5.15	509.41	198.68
	603.17	973.80				1,140.19
12,959.00	313.00	1,733.00	752.00	2,582.00	9,227.00	645.00
141,733.23	7,999.53	26,320.77	3,419.57	36,140.97	190,940.80	9,777.45
	160.58	944.97	966.29	1,144.33		
11,631.79					8,685.89	542.69
1,600	171	468	98	752	3,481	203
210	54	143	28	148	554	51
46	3	15	1	26	110	4
1,856	228	626	127	926	4,145	258

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Penetan- guishene 4,177	Port Elgin 1,415	Port McNicol 964	Port Perry 1,175	Priceville P.V.
Population.....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	12,823.08	10,991.40	4,258.49	7,892.67	769.48
Commercial light service.....	8,678.41	6,291.97	744.33	3,304.27	328.51
Commercial power service.....	18,285.13	3,360.64	51.28	2,293.65	76.46
Municipal power.....	2,099.84	786.25		344.53	
Street lighting.....	2,302.00	2,732.77	945.00	1,690.00	480.00
Merchandise.....					
Miscellaneous.....	85.72	306.55	7.50	378.99	8.98
Total earnings.....	44,274.18	24,469.58	6,006.60	15,904.11	1,663.43
<b>EXPENSES</b>					
Power purchased.....	31,375.98	18,921.52	3,307.44	12,260.51	632.27
Substation operation.....	289.58				
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,716.06	947.94	385.29	736.04	78.72
Line transformer maintenance.....	324.02	4.83			
Meter maintenance.....	296.07	157.75	79.75	154.35	52.55
Consumers' premises expenses.....	53.51	189.50			
Street lighting, operation and main- tenance.....	435.05	311.31	145.09	227.52	23.59
Promotion of business.....	20.00				
Billing and collecting.....	1,283.86	623.84	547.09	867.86	
General office, salaries and expenses.....	1,038.51	252.34	256.91	447.24	91.29
Undistributed expenses.....	112.23	37.17	51.50		
Truck operation and maintenance.....	503.48	179.28			
Interest.....	100.09	1,301.67	12.73	503.83	
Sinking fund and principal payments on debentures.....	751.22	2,069.03	196.00	1,191.40	
Depreciation.....	3,794.00	1,180.00	514.00	1,130.00	262.00
Other reserves.....					
Total operating costs and fixed charges.....	42,093.66	26,176.18	5,495.80	17,518.75	1,140.42
Net surplus.....	2,180.52		510.80		523.01
Net loss.....		1,706.60		1,614.64	
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	702	478	233	377	36
Commercial light service.....	111	103	19	78	10
Power service.....	23	6	1	11	1
Total.....	836	587	253	466	47

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Ripley 420	Rosseau 305	Shelburne 1,053	Southamp- ton 1,467	Stayner 1,106	Sunderland P.V.	Tara 510
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,187.06	2,951.30	5,959.24	10,622.26	5,561.56	2,913.67	3,527.47
1,616.15	985.42	3,897.63	5,022.06	3,784.12	1,528.37	1,446.55
1,430.74		2,947.31	7,311.60	2,245.48	284.35	1,301.43
		288.62	1,171.19	69.21		
1,124.00	1,410.00	882.00	2,467.68	1,212.00	730.00	1,177.00
76.34	24.22	356.18	30.26	164.66	25.57	85.82
7,434.29	5,370.94	14,330.98	26,625.05	13,037.03	5,481.96	7,538.27
5,226.65	3,552.75	10,209.39	19,042.74	10,333.15	3,708.64	4,350.94
204.80	223.91	344.48	1,260.06	564.41	508.56	136.77
18.98			107.75			
74.89	25.35	226.35	284.07	197.42	79.84	12.74
			189.26	84.53		
55.62	71.90	89.79	199.47	170.10	172.41	128.66
	174.90	822.41	813.17	506.00	236.23	
503.96	67.58	114.20	611.40	403.85	275.88	612.06
11.95		22.90	58.61	13.75		8.34
422.37	608.33	0.50	134.07			
			661.81	38.06		
608.50	531.38		1,625.65			
596.00	326.00	1,285.00	1,241.00	1,179.00	397.00	735.00
	15.00			17.04		
7,723.72	5,597.10	13,115.02	26,229.06	13,507.31	5,378.56	5,984.51
		1,215.96	395.99		103.40	1,553.76
289.43	226.16			470.28		
123	64	306	537	286	126	155
48	13	82	94	92	36	33
1		15	14	16	2	5
172	77	403	645	394	164	193



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Concluded

Municipality . . . . .	Teeswater	Thornton	Totten- ham	Uxbridge	Victoria Harbour
Population . . . . .	873	P.V.	532	1,480	1,018
<b>EARNINGS</b>					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	5,241.87	1,623.85	3,868.02	9,085.72	3,602.21
Commercial light service . . . . .	2,954.34	479.21	1,561.23	4,929.47	980.78
Commercial power service . . . . .	1,020.47	314.11	446.96	2,439.99	
Municipal power . . . . .	180.00		176.69		94.34
Street lighting . . . . .	1,107.60	500.00	882.00	1,692.61	663.00
Merchandise . . . . .					
Miscellaneous . . . . .	139.70			41.08	15.00
Total earnings . . . . .	10,643.98	2,917.17	6,934.90	18,188.87	5,355.33
<b>EXPENSES</b>					
Power purchased . . . . .	6,800.13	1,376.62	5,838.54	15,110.18	3,213.58
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	148.72	98.41	303.91	787.68	216.22
Line transformer maintenance . . . . .	14.25				
Meter maintenance . . . . .	107.14		59.58	352.58	87.80
Consumers' premises expenses . . . . .	54.33			280.74	
Street lighting, operation and main- tenance . . . . .	60.00	57.25	168.18	275.83	163.32
Promotion of business . . . . .					
Billing and collecting . . . . .			269.43	355.17	587.37
General office, salaries and expenses . . . . .	582.17	107.86	184.23	425.93	372.27
Undistributed expenses . . . . .	22.23			17.52	
Truck operation and maintenance . . . . .					
Interest . . . . .	122.42		224.26	0.73	
Sinking fund and principal payments on debentures . . . . .	1,874.78		578.95		
Depreciation . . . . .	955.00	433.00	561.00	949.00	594.00
Other reserves . . . . .				100.00	
Total operating costs and fixed charges . . . . .	10,741.17	2,073.14	8,188.08	18,655.36	5,234.55
Net surplus . . . . .		844.03			120.80
Net loss . . . . .	97.19		1,253.18	466.49	
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	230	68	142	401	2
Commercial light service . . . . .	55	12	45	97	
Power service . . . . .	3	2	7	11	
Total . . . . .	288	82	194	509	2

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Walkerton 2,534	Waubau- shene P.V.	Warton 1,750	Winder- mere 158	Wingham 2,114	Woodville 439	GEORGIAN BAY SYSTEM SUMMARY
\$ c.	\$ c	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
17,990.71	3,358.50	7,676.87	2,538.25	13,163.91	2,170.54	557,934.43
11,200.15	583.60	8,331.47	1,272.76	8,712.77	1,022.24	354,040.59
9,466.30	66.36	2,827.98	161.83	9,462.85	606.29	365,183.40
526.99	144.10	1,368.42		880.42		26,491.27
2,900.47	482.00	2,388.94	325.00	3,305.01	636.00	104,486.27
970.94				1,809.90		3,108.39
45.60	142.14	427.68		1,358.87	218.95	16,656.06
43,101.16	4,776.70	23,021.36	4,297.84	38,692.73	4,654.02	1,427,900.41
29,762.32	3,554.52	15,948.93	2,054.43	26,326.95	3,571.21	1,078,729.22
				1,806.44		9,519.78
						244.11
1,143.14	116.73	775.94	141.90	2,102.64	399.05	51,301.20
209.74				32.02		3,856.78
629.12	46.50	220.37	36.25	501.12	89.04	14,766.39
95.73	30.07			62.80	50.00	12,019.65
480.32	60.65	449.79	69.13	503.71	102.29	16,030.75
						1,802.80
1,039.69	327.62	556.78	130.21	800.54	253.51	37,777.35
1,517.17	167.50	646.98	86.95	1,917.72	135.15	38,406.43
280.87		87.45		255.25		7,449.28
82.73		161.69		530.43		6,448.98
2,099.57	53.16	1,329.97	453.87	1,639.69	67.99	17,703.05
2,955.71		1,671.10	580.43	1,591.66	222.16	38,241.95
1,868.00	436.00	1,018.00	411.00	3,922.00	291.00	99,159.97
					30.00	815.66
42,164.11	4,792.75	22,867.00	3,964.17	41,992.97	5,211.40	1,434,273.35
937.05		154.36	333.67			
	16.05			3,300.24	557.38	6,372.94
650	225	417	63	577	114	24,981
142	21	112	14	142	24	5,140
20	2	15	1	22	2	723
812	248	544	78	741	140	30,844

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM

Municipality .....	Alex- andria 1,976	Apple Hill P.V.	Arnprior 4,019	Athens 626	Bath 325
Population .....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	7,326.19	1,389.81	17,554.25	3,154.90	2,083.39
Commercial light service .....	4,834.93	960.20	10,251.73	1,678.61	761.01
Commercial power service .....	2,886.71	440.92	15,385.70	882.81	.....
Municipal power .....	912.47	.....	2,509.43	.....	.....
Street lighting .....	1,950.00	478.50	3,492.00	1,204.00	420.00
Merchandise .....	.....	.....	.....	.....	.....
Miscellaneous .....	579.38	25.16	224.40	151.99	.....
Total earnings .....	18,489.68	3,294.59	49,417.51	7,072.31	3,264.40
<b>EXPENSES</b>					
Power purchased .....	10,514.21	1,836.48	27,267.52	4,913.87	1,474.40
Substation operation .....	.....	.....	.....	.....	.....
Substation maintenance .....	.....	.....	.....	.....	.....
Distribution system, operation and maintenance .....	1,230.05	91.68	1,579.34	182.16	108.07
Line transformer maintenance .....	40.55	.....	62.27	.....	.....
Meter maintenance .....	227.17	10.35	334.52	31.24	.....
Consumers' premises expenses .....	93.24	.....	299.10	.....	.....
Street lighting, operation and main- tenance .....	238.25	26.75	253.49	36.90	36.08
Promotion of business .....	.....	.....	248.47	.....	.....
Billing and collecting .....	1,063.68	.....	2,613.38	.....	.....
General office, salaries and expenses .....	413.97	273.95	2,146.50	317.28	238.21
Undistributed expenses .....	101.09	.....	.....	.....	.....
Truck operation and maintenance .....	292.15	.....	.....	.....	.....
Interest .....	.....	38.62	1,327.11	429.56	329.31
Sinking fund and principal payments on debentures .....	.....	484.48	2,650.30	763.35	330.10
Depreciation .....	1,790.00	228.00	1,240.00	625.00	256.00
Other reserves .....	.....	.....	.....	.....	.....
Total operating costs and fixed charges .....	16,004.36	2,990.31	40,022.00	7,299.36	2,772.17
Net surplus .....	2,485.32	304.28	9,395.51	.....	492.23
Net loss .....	.....	.....	.....	227.05	.....
<b>NUMBER OF CONSUMERS</b>					
Domestic service .....	388	63	798	183	55
Commercial light service .....	103	24	150	56	14
Power service .....	15	2	20	1	.....
Total .....	506	89	968	240	69



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Belleville 14,876	Bloomfield 636	Bowman- ville 3,850	Brighton 1,462	Brockville 9,996	Cardinal 1,602	Carleton Place 4,143
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
86,710.19	3,270.63	30,816.32	10,546.78	58,231.06	7,815.43	21,075.45
57,915.07	2,212.19	10,850.44	4,732.16	27,511.21	2,419.34	9,489.40
44,075.97	1,138.57	62,343.54	3,845.65	43,837.21	371.52	26,534.12
4,173.52				5,854.80		1,530.14
10,968.86	715.00	3,902.28	2,028.12	8,991.50	992.00	4,885.25
5,526.15			228.24			
2,831.61	114.79	3,120.66	182.44	5,703.27	142.50	1,198.65
212,201.37	7,451.18	111,033.24	21,563.39	150,129.05	11,740.79	64,713.01
161,868.80	4,714.34	80,126.60	9,946.57	111,135.80	7,669.74	45,321.64
1,881.00		63.40		5,206.40		131.09
				1,012.40		
2,416.96	47.05	2,942.80	1,526.26	2,773.79	637.87	1,342.91
398.15		134.51	36.75	564.54	7.85	235.81
1,670.23	17.91	416.00	402.03	2,901.53	103.15	622.68
1,096.15	20.00	1,306.48	276.52			770.11
1,659.18	91.10	406.74	295.71	1,246.40	159.12	791.27
		132.45				57.72
3,623.26		2,522.54	609.44	2,828.97		1,882.18
6,899.91	280.78	2,947.35	1,223.07	5,415.34	661.48	3,488.47
1,268.59		892.21	319.69	1,478.55		526.01
			360.80	546.30		615.95
	219.57	300.00	342.54		446.51	1,332.07
	364.77	5,000.00	1,490.00		738.93	3,840.68
9,785.00	618.00	2,954.00	830.00	12,391.00	549.00	2,662.00
192,567.23	6,373.52	100,145.08	17,659.38	147,501.02	10,973.65	63,620.59
19,634.14	1,077.66	10,888.16	3,904.01	2,628.03	767.14	1,092.42
3,450	170	1,193	555	2,959	382	1,056
692	43	155	97	412	59	187
100	7	26	10	76	2	18
4,242	220	1,374	662	3,447	443	1,261

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Chester- ville 1,094	Cobden 643	Cobourg 5,062	Colborne 960	Deseronto 1,002
Population.....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,002.39	2,340.27	37,699.45	5,961.27	5,998.11
Commercial light service.....	3,894.35	2,429.30	20,765.36	3,222.81	2,323.60
Commercial power service.....	2,125.50	376.12	24,899.74	656.97	1,079.22
Municipal power.....			2,250.63	211.63	722.95
Street lighting.....	1,131.00	703.00	5,928.42	1,524.00	1,649.00
Merchandise.....	96.76		40.11	166.02	
Miscellaneous.....	409.50	117.47	972.84	118.74	147.95
Total earnings.....	12,659.50	5,966.16	92,556.55	11,861.44	11,920.83
<b>EXPENSES</b>					
Power purchased.....	8,765.74	3,351.40	66,649.89	6,919.98	6,773.71
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	701.17	104.35	1,627.43	441.22	1,409.58
Line transformer maintenance.....			415.63		
Meter maintenance.....	59.96	87.16	1,129.42	156.13	81.60
Consumers' premises expenses.....	291.33		467.39	214.49	63.66
Street lighting, operation and main- tenance.....	89.41	53.09	937.14	200.35	484.53
Promotion of business.....					43.88
Billing and collecting.....	553.03	416.65	3,215.98		627.12
General office, salaries and expenses.....	517.27	142.85	2,256.27	1,549.51	598.88
Undistributed expenses.....			854.44	150.65	81.57
Truck operation and maintenance.....			298.31	281.93	392.14
Interest.....		287.49	2,121.26	550.78	18.55
Sinking fund and principal payments on debentures.....		612.51	5,164.23	613.13	707.21
Depreciation.....	712.00	162.00	4,721.00	435.00	530.00
Other reserves.....					
Total operating costs and fixed charges.....	11,689.91	5,217.50	89,858.39	11,513.17	11,812.43
Net surplus.....	969.59	748.66	2,698.16	348.27	108.40
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	248	135	1,422	273	338
Commercial light service.....	74	47	234	75	59
Power service.....	3	1	49	5	5
Total.....	325	183	1,705	353	402

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Finch 396	Hastings 823	Havelock 1,103	Iroquois 1,123	Kemptville 1,230	Kingston 26,741
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,318.15	3,855.15	4,722.09	5,874.57	7,183.31	174,672.35
1,669.72	2,278.04	2,668.06	3,865.55	5,051.48	118,787.81
437.21	185.64	1,912.14	372.43	4,458.48	135,472.18
.....	.....	.....	1,628.76	.....	10,767.10
507.00	1,300.10	1,560.00	927.00	1,786.00	21,219.34
144.29	302.29	538.14	101.43	1,110.57	3,451.90
5,076.37	7,921.22	11,400.43	12,769.74	19,589.84	464,370.68
3,811.97	3,825.54	5,860.29	7,003.89	11,403.47	300,336.21
.....	.....	.....	.....	.....	4,674.03
.....	.....	.....	.....	.....	897.51
31.56	539.99	1,075.20	1,303.15	1,485.39	14,902.23
.....	.....	.....	146.75	33.88	1,363.86
4.05	124.99	.....	121.50	188.18	4,837.65
44.53	.....	.....	.....	206.59	3,106.07
20.25	158.02	132.08	454.08	222.64	3,469.59
.....	.....	.....	.....	.....	269.15
.....	.....	.....	647.53	1,109.70	5,755.93
288.13	535.95	624.07	109.06	375.89	11,915.93
.....	44.28	.....	48.77	64.15	6,908.23
.....	.....	235.66	.....	249.91	3,148.31
205.57	782.99	39.93	.....	802.04	2,624.55
405.88	975.13	310.41	.....	1,014.18	2,857.50
350.00	679.00	1,128.00	252.00	1,345.00	32,873.00
.....	.....	.....	.....	.....	12,500.00
5,161.94	7,665.89	9,405.64	10,086.73	18,501.02	412,439.75
.....	255.33	1,994.79	2,683.01	1,088.82	51,930.93
85.57	.....	.....	.....	.....	.....
97	227	291	276	347	7,001
32	52	57	76	85	1,019
1	3	2	5	5	185
130	282	350	357	437	8,205



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Lakefield	Lanark	Lancaster	Lindsay	Madoc
Population.....	1,301	686	570	7,241	1,130
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	6,331.04	2,903.72	2,061.49	46,064.53	4,946.94
Commercial light service.....	4,444.43	1,616.65	1,263.34	30,261.50	4,072.29
Commercial power service.....	4,497.88			51,834.44	1,368.56
Municipal power.....				3,034.01	
Street lighting.....	1,710.00	572.00	480.00	6,309.69	1,395.95
Merchandise.....					
Miscellaneous.....	541.00	180.63	6.86	2,519.33	194.68
Total earnings.....	17,524.35	5,273.00	3,811.69	140,023.50	11,978.42
<b>EXPENSES</b>					
Power purchased.....	11,258.77	3,424.48	2,368.04	105,952.25	8,348.32
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	501.88	147.76	78.95	1,930.23	994.00
Line transformer maintenance.....				669.00	
Meter maintenance.....	137.28	63.84	20.70	1,020.02	51.99
Consumers' premises expenses.....				553.02	21.98
Street lighting, operation and maintenance.....	186.13	86.82	63.39	1,980.51	114.55
Promotion of business.....				484.34	
Billing and collecting.....	394.08			3,296.82	
General office, salaries and expenses.....	671.11	367.90	379.22	6,554.97	869.84
Undistributed expenses.....	42.71			1,141.05	41.51
Truck operation and maintenance.....	194.37			688.40	
Interest.....	1,204.99			3,198.26	
Sinking fund and principal payments on debentures.....	1,366.63			7,060.47	
Depreciation.....	1,458.00	389.00	404.00	5,456.00	515.00
Other reserves.....					
Total operating costs and fixed charges.....	17,415.95	4,479.80	3,314.30	139,985.34	10,957.19
Net surplus.....	108.40	793.20	497.39	38.16	1,021.23
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	343	166	103	2,080	301
Commercial light service.....	70	40	30	341	86
Power service.....	6			71	4
Total.....	419	206	133	2,492	391

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Marmora 1,004	Martin- town P.V.	Maxville 811	Millbrook 749	Morris- burg 1,484	Napanee 3,241	Newcastle 701
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,353.34	703.29	3,218.99	4,336.73	9,094.25	25,156.43	5,233.92
2,269.53	914.03	2,719.87	2,132.63	6,927.91	17,008.50	2,663.37
238.80			740.50	2,397.33	9,146.07	3,302.91
				415.21	626.22	
1,298.00	176.00	1,157.53	783.20	2,523.15	3,961.22	614.68
					316.55	
31.67	58.26	87.80	111.73	318.22	130.66	
8,196.34	1,851.58	7,184.19	8,104.79	21,676.07	56,345.65	11,814.88
4,468.77	1,249.53	4,284.90	3,276.85	6,585.17	36,000.99	6,369.62
				2,319.00		
560.16	86.98	406.91	431.64	1,224.24	4,225.18	484.06
			81.43	30.39	220.41	
	9.45	113.91	249.46	142.79	658.48	114.44
			38.60		282.17	147.31
163.20	20.00	211.24	121.09	311.07	688.58	84.88
			570.11	619.00	1,857.24	582.72
880.92	173.55	357.02	632.09	439.13	4,667.21	197.51
				223.26	2,139.44	10.97
				123.41	207.24	
77.28			292.12	1,190.57		96.25
1,193.22			430.39	4,101.06		1,194.26
642.00	186.00	650.00	200.00	741.00	2,219.00	836.00
7,985.55	1,725.51	6,023.98	6,323.78	18,055.09	53,165.94	10,118.02
210.79	126.07	1,160.21	1,781.01	3,620.98	3,179.71	1,696.86
243	47	158	170	426	852	216
46	25	53	60	108	198	38
2			3	13	25	3
291	72	211	233	547	1,075	257

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality . . . . .	Norwood	Omemeë	Orono	Oshawa
Population . . . . .	710	630	P.V.	25,035
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	4,967.60	3,207.76	4,404.89	209,518.33
Commercial light service . . . . .	2,335.64	1,164.20	2,123.87	83,052.40
Commercial power service . . . . .	530.35	3,774.88	51.21	314,410.18
Municipal power . . . . .				9,777.45
Street lighting . . . . .	1,596.00	1,075.26	768.28	12,194.82
Merchandise . . . . .				
Miscellaneous . . . . .	632.30	173.83		14,705.06
<b>Total earnings . . . . .</b>	<b>10,061.89</b>	<b>9,395.93</b>	<b>7,348.25</b>	<b>643,658.24</b>
<b>EXPENSES</b>				
Power purchased . . . . .	4,424.53	6,690.53	3,229.04	525,376.53
Substation operation . . . . .				170.66
Substation maintenance . . . . .				
Distribution system, operation and maintenance . . . . .	613.37	623.08	590.76	9,948.30
Line transformer maintenance . . . . .		4.90	56.41	287.36
Meter maintenance . . . . .		93.33	18.66	3,690.82
Consumers' premises expenses . . . . .	55.49	27.37	203.36	10,531.49
Street lighting, operation and main- tenance . . . . .	160.94	123.81	70.39	1,729.87
Promotion of business . . . . .				64.96
Billing and collecting . . . . .			551.60	12,102.28
General office, salaries and expenses . . . . .	531.48	362.88	368.51	10,236.62
Undistributed expenses . . . . .		9.89	23.69	3,904.67
Truck operation and maintenance . . . . .	235.64			
Interest . . . . .	1,117.86		202.17	4,289.46
Sinking fund and principal payments on debentures . . . . .	1,635.60		827.28	18,000.00
Depreciation . . . . .	1,317.00	860.00	178.00	14,118.00
Other reserves . . . . .				
<b>Total operating costs and fixed charges . . . . .</b>	<b>10,091.91</b>	<b>8,795.79</b>	<b>6,319.87</b>	<b>614,451.00</b>
<b>Net surplus . . . . .</b>		<b>600.14</b>	<b>1,028.38</b>	<b>29,207.20</b>
<b>Net loss . . . . .</b>	<b>30.02</b>			
<b>NUMBER OF CONSUMERS</b>				
Domestic service . . . . .	235	169	179	6,421
Commercial light service . . . . .	55	32	37	681
Power service . . . . .	3	6	1	11
<b>Total . . . . .</b>	<b>293</b>	<b>207</b>	<b>217</b>	<b>7,213</b>



## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Ottawa	Perth	Peter- borough	Picton	Port Hope	Prescott	Richmond
150,277	4,197	24,400	3,400	4,997	2,930	428
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
589,791.57	25,753.93	175,412.76	24,286.85	30,500.40	20,600.54	2,309.82
258,129.99	16,036.88	99,691.58	16,400.67	14,581.07	12,563.56	1,473.08
65,249.80	15,644.56	157,640.51	3,778.19	30,512.88	5,412.65	
22,479.57	1,110.56	6,414.40	2,015.94	1,377.55	1,390.99	
81,260.08	2,855.60	22,451.66	3,956.04	4,180.66	4,120.50	390.00
	2,874.33		1,619.57			
5,420.65	3,380.70	1,161.68	1,490.97	891.01	19.63	
1,022,331.66	67,656.56	462,772.59	53,548.23	82,043.57	44,107.87	4,172.90
503,933.09	42,315.93	299,958.74	38,530.33	66,449.61	29,565.10	2,771.92
32,888.27	406.48	6,354.67			1,381.56	
971.92		1,432.04				
24,628.53	1,664.55	8,407.05	967.15	1,017.45	3,181.83	152.38
1,689.43	166.65	1,021.37	334.89	151.83	206.89	
13,406.56	306.72	5,800.91	365.43	880.08	801.51	10.96
3,846.08	473.22	17,289.41	46.93	1,538.10	659.06	
34,892.74	358.86	4,815.36	282.08	1,416.04	618.87	58.16
9,213.31	120.22	489.46	13.47			
49,926.33	1,769.66	9,940.95	972.07	2,119.75	1,276.64	
28,225.15	3,603.72	6,820.21	1,894.86	3,361.08	2,396.38	256.66
16,789.48	424.59	4,316.10	499.73	888.85	607.67	
2,765.22	710.67	2,539.79	204.84	384.89		
23,507.33	2,365.29	29,143.41				206.29
15,724.74	2,899.44	12,584.45				355.55
103,222.00	4,579.00	21,824.00	2,494.00	3,087.00	3,567.00	280.00
55,500.00		800.00				
921,130.18	62,165.00	433,537.92	46,605.78	81,294.68	44,262.51	4,091.92
101,201.48	5,491.56	29,234.67	6,942.45	748.89		80.98
					154.64	
14,922	1,045	6,243	1,082	1,406	738	81
1,457	198	914	205	217	160	22
204	27	163	36	37	21	
16,583	1,270	7,320	1,323	1,660	919	103

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Concluded

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,741	947	7,636	1,181
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,812.87	46,841.54	5,393.80	42,939.17	6,380.56
Commercial light service.....	1,456.73	16,620.71	3,596.40	26,268.65	4,781.97
Commercial power service.....		20,910.23	1,291.68	73,525.28	3,683.15
Municipal power.....		667.79	275.13	2,878.87	329.37
Street lighting.....	800.00	7,475.28	1,637.04	7,616.11	1,809.92
Merchandise.....			57.51	372.66	
Miscellaneous.....	155.00	3,172.66	358.30	1,346.69	183.14
Total earnings.....	5,224.60	95,688.21	12,609.86	154,947.43	17,168.11
<b>EXPENSES</b>					
Power purchased.....	3,094.34	60,948.24	7,396.41	105,326.96	9,212.09
Substation operation.....		470.22	277.20		
Substation maintenance.....		731.42		24.73	
Distribution system, operation and maintenance.....	204.17	3,664.44	493.35	1,470.73	393.33
Line transformer maintenance.....		244.18		131.58	
Meter maintenance.....		810.93	94.33	2,150.61	249.16
Consumers' premises expenses.....		3,568.52		838.53	
Street lighting, operation and main- tenance.....	94.75	633.79	306.60	1,094.11	272.19
Promotion of business.....	62.34	128.85		8.96	1.19
Billing and collecting.....		3,101.06	439.07	3,455.93	863.68
General office, salaries and expenses.....	358.20	2,965.17	1,152.53	5,779.29	365.12
Undistributed expenses.....		1,549.08	105.27	1,646.07	14.44
Truck operation and maintenance.....		720.83	218.33	775.77	
Interest.....	196.53	109.63		994.22	206.43
Sinking fund and principal payments on debentures.....	640.26	969.84		7,921.57	1,644.77
Depreciation.....	372.00	8,389.00	971.00	5,911.00	659.00
Other reserves.....		300.00			
Total operating costs and fixed charges.....	5,022.59	89,305.20	11,454.09	137,530.06	13,881.40
Net surplus.....	202.01	6,383.01	1,155.77	17,417.37	3,286.71
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	115	1,923	297	1,682	306
Commercial light service.....	34	283	72	265	86
Power service.....		41	12	56	13
Total.....	149	2,247	381	2,003	405

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Warkworth P.V.	Wellington 948	Westport 725	Whitby 4,236	Williams- burgh P.V.	Winchester 1,017	EASTERN ONTARIO SYSTEM SUMMARY
\$ c	\$ c	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,224.95	6,325.62	3,711.80	28,409.62	1,957.75	6,555.34	1,864,318.65
1,317.34	2,630.24	2,990.29	14,280.23	2,648.25	4,618.05	965,628.22
11.73	912.24		15,357.93	146.33	1,557.82	1,161,646.44
			1,574.30			84,928.79
617.18	1,102.98	1,388.04	4,904.04	286.92	944.00	262,674.20
						11,297.90
161.20	202.50	197.33	3,525.95	625.76	420.19	64,095.36
4,332.40	11,173.58	8,287.46	68,052.07	5,665.01	14,095.40	4,414,589.56
2,675.28	6,560.46	5,047.43	39,265.62	3,564.13	9,466.61	2,860,882.67
			270.99			56,494.97
						5,070.02
105.16	876.22	243.93	7,183.94	70.82	549.64	116,622.38
			360.49			9,097.76
39.84	161.70	129.16	1,137.11	51.90	71.68	46,381.21
	31.30		896.41	23.88	147.32	49,475.21
100.13	111.40	60.66	1,013.16	139.46	62.94	63,909.94
			6.44			11,345.21
			1,992.62		536.96	123,837.96
226.68	599.88	1,160.45	2,010.45	602.05	326.13	133,014.09
	58.26		266.37			47,446.33
		27.48	393.09			16,611.43
445.68	341.87	518.25	699.87		160.90	82,763.11
353.46	1,059.22	696.52	2,982.02		612.80	112,576.34
289.00	966.00	293.00	4,038.00	300.00	816.00	269,341.00
						69,100.00
4,235.23	10,766.31	8,176.88	62,516.58	4,752.24	12,750.98	4,073,969.63
97.17	407.27	110.58	5,535.49	912.77	1,344.42	340,619.93
133	342	138	966	98	301	65,837
43	63	48	167	46	85	10,075
1	5		25	1	3	1,436
177	410	186	1,158	145	389	77,348



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

THUNDER BAY  
SYSTEM

Municipality.....	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population.....	24,843		23,790	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	229,486.80	4,185.32	133,004.98	366,677.10
Commercial light service.....	95,430.77	3,799.93	82,647.64	181,878.34
Commercial power service.....	55,113.59	312.47	708,967.30	764,393.36
Municipal power.....	29,844.56	427.33	34,218.55	64,490.44
Street lighting.....	19,755.56	750.00	19,684.11	40,189.67
Merchandise.....				
Miscellaneous.....	1,942.64	181.20	12,407.67	14,531.51
Total earnings.....	431,573.92	9,656.25	990,930.25	1,432,160.42
EXPENSES				
Power purchased.....	291,749.63	4,587.07	866,805.38	1,163,142.08
Substation operation.....	7,669.24		26,830.29	34,499.53
Substation maintenance.....	621.74		2,042.57	2,664.31
Distribution system, operation and maintenance.....	7,153.95	395.03	17,330.54	24,879.52
Line transformer maintenance.....	299.23	43.08	1,459.34	1,801.65
Meter maintenance.....	7,889.73	46.00	8,233.37	16,169.10
Consumers' premises expenses.....	1,733.35			1,733.35
Street lighting, operation and main- tenance.....	6,226.90	94.86	5,687.06	12,008.82
Promotion of business.....	47.00	240.00	1,996.40	2,283.40
Billing and collecting.....	12,873.86		13,438.49	26,312.35
General office, salaries and expenses....	13,484.91	944.98	14,145.95	28,575.84
Undistributed expenses.....	4,545.56	50.22	21,715.52	26,311.30
Truck operation and maintenance.....	3,138.46		2,377.26	5,515.72
Interest.....	14,049.07	181.27	1,343.87	15,574.21
Sinking fund and principal payments on debentures.....	5,254.84	690.58	1,145.58	7,091.00
Depreciation.....	19,364.00	707.00	30,776.42	50,847.42
Other reserves.....	1,000.00		3,500.00	4,500.00
Total operating costs and fixed charges.....	397,101.47	7,980.09	1,018,828.04	1,423,909.60
Net surplus.....	34,472.45	1,676.16		8,250.82
Net loss.....			27,897.79	
NUMBER OF CONSUMERS				
Domestic service.....	6,701	220	5,474	12,395
Commercial light service.....	1,054	54	854	1,962
Power service.....	125	4	112	241
Total.....	7,880	278	6,440	14,598

## "B"—Concluded

## Hydro Municipalities for Year Ended December 31, 1941

NORTHERN ONTARIO  
DISTRICTS

Capreol 1,660	North Bay 16,013	Sioux Lookout 1,967	Sudbury 31,875	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,227.32	105,109.01	16,398.92	231,282.37	362,017.62	14,287,828.19
3,687.25	69,292.34	12,605.02	143,113.80	228,698.41	7,885,693.81
.....	39,815.26	1,365.84	43,392.53	84,573.63	14,591,053.03
721.78	7,849.52	.....	9,697.25	18,268.55	1,832,379.38
1,260.00	10,490.91	2,055.40	26,115.13	39,921.44	1,880,560.01
.....	902.98	.....	.....	902.98	58,695.51
.....	2,189.01	27.31	3,108.26	5,324.58	526,771.53
14,896.35	235,649.03	32,452.49	456,709.34	739,707.21	41,062,981.46
7,179.78	123,610.25	25,978.30	251,454.50	408,222.83	26,017,260.84
.....	944.20	.....	7,893.98	8,838.18	552,820.54
.....	.....	.....	.....	.....	316,677.27
1,747.57	5,542.89	761.87	20,485.74	28,538.07	993,886.44
19.27	616.54	101.99	599.13	1,336.93	114,304.18
163.72	3,457.75	166.86	6,625.97	10,414.30	409,252.72
2.58	320.65	272.00	1,170.16	1,765.39	604,642.97
610.31	1,574.00	170.96	7,267.41	9,622.68	379,905.55
.....	562.22	.....	239.08	801.30	262,910.03
1,218.07	8,578.15	2,327.08	20,650.91	32,774.21	1,074,173.90
1,200.17	12,338.44	688.62	18,112.31	32,339.54	1,053,367.83
69.34	3,346.95	73.10	6,346.54	9,835.93	480,317.80
.....	733.19	286.57	4,113.03	5,132.79	93,032.89
.....	8,522.50	.....	6,316.75	14,839.25	1,027,985.34
.....	8,500.00	.....	9,253.06	17,753.06	2,248,937.42
850.00	15,435.00	416.00	18,977.00	35,678.00	2,727,738.01
.....	1,499.66	.....	16,506.41	18,006.07	205,992.98
13,060.81	195,582.39	31,243.35	396,011.98	635,898.53	38,563,206.71
1,835.54	40,066.64	1,209.14	60,697.36	103,808.68	2,499,774.75
.....	.....	.....	.....	.....	.....
337	3,354	499	7,711	11,901	540,499
50	665	101	1,051	1,867	78,796
1	84	1	102	188	13,602
388	4,103	601	8,864	13,956	632,897

## STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Acton.....	1,903	{ 137	80 c.p.	<i>s</i> 9.00	2,024.31	1.06
		{ 5	80 c.p.	<i>s</i> 12.00		
		{ 2	250 c.p.	<i>s</i> 18.00		
		{ 8	60 watt	<i>m</i> 4.00		
		{ 62	100 watt	<i>m</i> 9.00		
		{ 1	150 watt	<i>m</i> 12.00		
		{ 1	200 watt	<i>m</i> 18.50		
		{ 4	300 watt	<i>m</i> 20.00		
Agincourt.....		64	100 watt	<i>m</i> 12.00	756.00	**
Ailsa Craig.....	487	{ 66	100 watt	<i>m</i> 10.00	696.00	1.43
		{ 2	200 watt	<i>m</i> 18.00		
Alexandria.....	1,976	{ 138	100 watt	<i>m</i> 14.00	1,950.00	0.99
		{ 1	200 watt	<i>m</i> 24.00		
Alliston.....	1,715	{ 102	150 c.p.	<i>s</i> 17.50	1,995.00	1.16
		{ 12	100 watt	<i>m</i> 17.50		
Alvinston.....	693	{ 82	100 watt	<i>m</i> 15.00	1,580.00	2.28
		{ 6	300 watt	<i>m</i> 40.00		
		{ 2	500 watt	<i>m</i> 55.00		
Amherstburg....	2,704	{ 72	100 watt	<i>m</i> 15.00	2,315.88	††
		{ 41	200 watt	<i>m</i> 20.00		
		{ 16	300 watt	<i>m</i> 26.00		
Ancaster Twp....		{ 35	100 watt	<i>m</i> 11.50	1,085.05	**
		{ 49	150 watt	<i>m</i> 14.00		
Apple Hill.....		33	100 watt	<i>m</i> 14.50	478.50	**
Arkona.....	403	{ 48	100 watt	<i>m</i> 20.00	1,072.00	2.66
		{ 4	150 watt	<i>m</i> 28.00		
Arnprior.....	4,019	{ 179	100 watt	<i>m</i> 18.00	3,492.00	0.87
		{ 10	300 watt	<i>m</i> 27.00		
Arthur.....	1,039	90	100 watt	<i>m</i> 15.50	1,395.00	1.28
Athens.....	626	{ 40	100 watt	<i>m</i> 14.00	1,204.00	1.92
		{ 23	200 watt	<i>m</i> 28.00		
Aylmer.....	1,985	{ 192	100 watt	<i>m</i> 10.00	2,788.00	1.40
		{ 23	500 watt	<i>m</i> 36.00		
		{ 1	Traffic signal	<i>m</i> 40.00		
Ayr.....	748	{ 84	100 watt	<i>m</i> 10.00	1,192.00	1.59
		{ 16	300 watt	<i>m</i> 22.00		

NOTE: The "Cost to municipality in 1941" represents the charges billed to the municipality by the utility for street lighting service in the calendar year. This total charge differs in some cases from the total computed for the installation at the rates shown, for the following reasons:—FIRST: Certain equipment may have been in service for less than twelve months. Second: More equipment than shown for December 31 may have been in service earlier in the year.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Baden.....		82	100 watt <i>m</i>	\$ c. 9.00	\$ c. 738.00	\$ c. **
Barrie.....	10,095	<div> <div>{</div> <div>484</div> <div>14</div> <div>48</div> <div>13</div> <div>2</div> <div>13</div> <div>1</div> </div>	<div> <div>150 c.p. <i>s</i></div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>200 watt (Dock 6 mos.) <i>m</i></div> <div>300 watt <i>m</i></div> <div>500 watt <i>m</i></div> </div>	<div> <div>9.00</div> <div>17.00</div> <div>22.00</div> <div>15.00</div> <div>12.00</div> <div>25.00</div> <div>30.00</div> </div>	6,216.50	0.62
Bath.....	325	21	100 watt <i>m</i>	20.00	420.00	1.29
Beechville.....		47	100 watt <i>m</i>	11.00	517.00	**
Beamsville.....	1,227	<div> <div>{</div> <div>5</div> <div>91</div> <div>53</div> </div>	<div> <div>60 watt <i>m</i></div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> </div>	<div> <div>8.00</div> <div>12.00</div> <div>18.00</div> </div>	2,033.77	1.70
Beaverton.....	925	<div> <div>{</div> <div>111</div> <div>11</div> <div>6</div> </div>	<div> <div>100 watt <i>m</i></div> <div>100 watt (6 mos.) <i>m</i></div> <div>500 watt <i>m</i></div> </div>	<div> <div>10.00</div> <div>7.00</div> <div>25.00</div> </div>	1,322.49	1.43
Beeton.....	583	<div> <div>{</div> <div>65</div> <div>14</div> </div>	<div> <div>150 c.p. <i>s</i></div> <div>100 watt <i>m</i></div> </div>	<div> <div>16.00</div> <div>16.00</div> </div>	1,264.00	2.17
Belle River.....	836	90	100 watt <i>m</i>	12.00	1,034.00	1.24
Belleville.....	14,876	<div> <div>{</div> <div>26</div> <div>548</div> <div>25</div> <div>1</div> <div>52</div> <div>3</div> <div>16</div> <div>24</div> <div>221</div> </div>	<div> <div>100 c.p. <i>s</i></div> <div>100 c.p. <i>s</i></div> <div>250 c.p. <i>s</i></div> <div>400 c.p. <i>s</i></div> <div>1,000 c.p. <i>s</i></div> <div>200 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>250 watt <i>m</i></div> <div>300 watt <i>m</i></div> </div>	<div> <div>9.50</div> <div>7.00</div> <div>15.00</div> <div>15.00</div> <div>30.00</div> <div>15.00</div> <div>12.50</div> <div>14.50</div> <div>20.00</div> </div>	10,963.86	0.74
Blenheim.....	1,873	<div> <div>{</div> <div>167</div> <div>5</div> <div>12</div> <div>1</div> <div>1</div> </div>	<div> <div>150 c.p. <i>s</i></div> <div>400 c.p. <i>s</i></div> <div>600 c.p. <i>s</i></div> <div>500 watt <i>m</i></div> <div>Traffic light <i>m</i></div> </div>	<div> <div>12.00</div> <div>28.00</div> <div>37.00</div> <div>33.00</div> <div>16.00</div> </div>	2,627.00	1.40
Bloomfield.....	636	65	100 watt <i>m</i>	11.00	715.00	1.12
Blyth.....	662	<div> <div>{</div> <div>90</div> <div>20</div> </div>	<div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> </div>	<div> <div>13.00</div> <div>20.50</div> </div>	1,580.00	2.39
Bolton.....	629	<div> <div>{</div> <div>48</div> <div>23</div> </div>	<div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> </div>	<div> <div>12.00</div> <div>21.50</div> </div>	1,070.52	1.70
Bothwell.....	683	<div> <div>{</div> <div>70</div> <div>21</div> </div>	<div> <div>100 watt <i>m</i></div> <div>300 watt <i>m</i></div> </div>	<div> <div>10.00</div> <div>25.00</div> </div>	1,225.02	1.79
Bowmanville....	3,850	<div> <div>{</div> <div>184</div> <div>19</div> <div>28</div> </div>	<div> <div>100 c.p. <i>s</i></div> <div>300 watt <i>m</i></div> <div>500 watt <i>m</i></div> </div>	<div> <div>10.00</div> <div>30.00</div> <div>53.00</div> </div>	3,902.28	1.01

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Bradford . . . . .	1,041	{ 60 7	150 c.p. 100 watt	<i>s</i> <i>m</i> 16.00 16.00	1,072.00	1.03
Brampton . . . . .	5,702	{ 589 2	100 watt 300 watt	<i>m</i> <i>m</i> 8.00 28.00	6,623.18	1.16
		{ 1 46	500 watt 500 watt	<i>m</i> <i>m</i> 35.00 37.50		
		{ 13	Fire alarm lights	<i>m</i> 6.50		
Brantford . . . . .	30,947	{ 149 3,477	1,500 c.p. 100 watt	<i>s</i> <i>m</i> 45.00 7.50	33,729.56	††
		{ 8 2	250 watt 300 watt	<i>m</i> <i>m</i> 10.00 16.00		
		{ 18 4	750 watt 750 watt	<i>m</i> <i>m</i> 37.00 46.00		
Brantford Twp. . . . .		405	100 watt	<i>m</i> 10.00	3,996.25	**
Brechin . . . . .	†	34	100 watt	<i>m</i> 14.00	476.00	**
Bridgeport . . . . .		{ 60 12	100 watt 100 watt (bridge)	<i>m</i> <i>m</i> 13.00 8.00	876.00	**
Brigden . . . . .		{ 46 9	60 watt 100 watt	<i>m</i> <i>m</i> 11.00 14.00	841.99	**
		{ 12	200 watt	<i>m</i> 20.00		
Brighton . . . . .	1,462	{ 127 10	100 c.p. 300 watt	<i>s</i> <i>m</i> 14.00 25.00	2,028.12	1.40
Brockville . . . . .	9,996	{ 660 10	100 c.p. 100 watt	<i>s</i> <i>m</i> 10.00 19.00	8,991.50	0.90
		{ 35 51	3 Lt. stands 5 Lt. stands	<i>m</i> <i>m</i> 21.00 24.00		
		{ 13	300 watt	<i>m</i> 20.00		
Brussels . . . . .	784	{ 81 18	100 watt 200 watt	<i>m</i> <i>m</i> 12.00 18.00	1,296.00	1.65
Burford . . . . .		67	100 watt	<i>m</i> 10.00	670.08	**
Burgessville . . . . .		24	100 watt	<i>m</i> 13.00	312.00	**
Caledonia . . . . .	1,425	{ 153 9	100 watt 100 watt (twp.)	<i>m</i> <i>m</i> 9.00 13.00	1,944.96	1.36
		{ 20 2	100 watt (bridge) 200 watt	<i>m</i> <i>m</i> 9.50 14.00		
		{ 10 1	300 watt 500 watt	<i>m</i> <i>m</i> 22.50 32.00		
Campbellville . . . . .		20	100 watt	<i>m</i> 20.00	400.00	**
Cannington . . . . .	753	{ 65 1	100 watt 200 watt	<i>m</i> <i>m</i> 15.00 18.50	1,155.48	1.53
		{ 3 3	300 watt 500 watt	<i>m</i> <i>m</i> 22.00 32.00		

†Includes Mara and Thorah townships.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
					\$ c.	\$ c.	\$ c.
Capreol.....	1,660	90	100 watt	<i>m</i>	14.00	1,260.00	0.76
Cardinal.....	1,602	{ 52 12	100 watt 200 watt	<i>m</i> <i>m</i>	15.00 21.00	992.00	0.62
Carleton Place..	4,143	{ 85 102 70	60 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	13.00 20.00 25.00	4,885.25	1.18
Cayuga.....	700	{ 94 1	100 watt 150 watt (traffic)	<i>m</i> <i>m</i>	16.00 20.00	1,491.99	2.13
Chatham.....	17,148	{ 752 19 51 37 75 139	150 c.p. 250 c.p. 600 c.p. 150 c.p. orn. 600 c.p. orn. 1,000 c.p. orn.	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i>	13.00 16.00 31.00 12.00 30.00 38.00	19,888.51	††
Chatsworth.....	333	41	100 watt	<i>m</i>	13.00	533.00	1.60
Chesley.....	1,812	126	150 c.p.	<i>s</i>	11.00	1,386.00	0.76
Chesterville....	1,094	87	100 watt	<i>m</i>	13.00	1,131.00	1.03
Chippawa.....	1,228	{ 89 28	100 watt 200 watt	<i>m</i> <i>m</i>	13.00 25.00	1,833.13	1.49
Clifford.....	491	{ 64 10	100 watt 200 watt	<i>m</i> <i>m</i>	13.00 20.00	1,032.00	2.10
Clinton.....	1,879	{ 152 8 29 1	150 c.p. 100 watt 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	11.00 11.00 31.00 55.00	2,766.22	1.47
Cobden.....	643	{ 38 12	100 watt 150 watt	<i>m</i> <i>m</i>	12.50 19.00	703.00	1.09
Cobourg.....	5,062	{ 203 197 2 11 30	80 c.p. 100 watt 250 watt 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	10.00 10.00 23.00 30.00 47.50	5,928.42	1.17
Colborne.....	960	{ 122 5	60 c.p. 100 watt	<i>s</i> <i>m</i>	12.00 12.00	1,524.00	1.59
Coldwater.....	606	{ 50 19	100 watt 200 watt	<i>m</i> <i>m</i>	11.00 17.00	873.00	1.44
Collingwood....	5,636	425	150 c.p.	<i>s</i>	9.00	3,819.75	0.68
Comber.....		{ 50 7	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 18.00	726.00	**
Cookstown.....		57	150 c.p.	<i>s</i>	15.00	855.00	**
Cottam.....		32	100 watt	<i>m</i>	15.00	480.00	**

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Courtright.....	344	43	100 watt <i>m</i>	15.00	645.00	1.88
Creemore.....	661	63	100 watt <i>m</i>	12.00	756.00	1.14
Dashwood.....		44	100 watt <i>m</i>	11.00	484.02	**
Delaware.....		23	100 watt <i>m</i>	12.00	276.00	**
Delhi.....	2,430	{ 175 1 17 1	{ 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 150 watt <i>m</i> (caution light)	{ 12.00 17.50 25.00 17.50	2,447.64	1.01
Deseronto.....	1,002	138	100 c.p. <i>s</i>	12.00	1,649.00	1.65
Dorchester.....		74	100 watt <i>m</i>	10.00	740.00	**
Drayton.....	521	80	100 watt <i>m</i>	12.00	960.00	1.84
Dresden.....	1,525	{ 120 8 12 15 12	{ 100 c.p. <i>s</i> 400 c.p. <i>s</i> 400 c.p. <i>s</i> 50 watt (arch) <i>m</i> 100 watt (bridge) <i>m</i>	{ 13.00 21.50 23.00 4.56 12.00	2,219.28	1.46
Drumbo.....		41	100 watt <i>m</i>	13.00	533.00	**
Dublin.....		50	100 watt <i>m</i>	11.00	550.00	**
Dundalk.....	686	82	100 watt <i>m</i>	13.00	1,066.00	1.55
Dundas.....	5,001	{ 289 20 12 6 54 5	{ 100 watt <i>m</i> 100 watt <i>m</i> (Memorial Square) 200 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 12.00 Free 16.00 26.00 32.00 24.00	5,664.00	††
Dunnville.....	3,916	{ 148 27 128 1	{ 150 c.p. <i>s</i> 600 c.p. <i>s</i> 100 watt <i>m</i> 150 watt <i>m</i>	{ 10.50 31.50 10.00 12.00	3,669.09	0.94
Durham.....	1,874	{ 106 6	{ 150 c.p. <i>s</i> 400 c.p. <i>s</i>	{ 14.00 22.00	1,622.00	0.87
Dutton.....	784	116	100 watt <i>m</i>	9.00	1,037.94	1.32
East York Twp.....		{ 1,300 21 261	{ 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 13.00 19.50 26.00	22,945.00	**
Elmira.....	2,068	{ 191 9 2 4 1	{ 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 400 watt <i>m</i> 500 watt <i>m</i>	{ 9.00 12.00 23.00 36.50 28.00	2,041.00	0.99

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Elmvalle.....		58	100 watt <i>m</i>	\$ c. 12.00	\$ c. 696.00	\$ c. **
Elmwood.....		25	150 watt <i>m</i>	16.00	396.05	**
Elora.....	1,185	{ 28 82	200 watt <i>m</i> 100 watt <i>m</i>	16.00 11.00	1,353.68	1.14
Embro.....	460	53	100 watt <i>m</i>	12.00	636.00	1.38
Erieau.....	281	28	100 watt <i>m</i>	18.00	504.00	1.79
Essex.....	1,886	{ 138 16 5 51 1 6 10	60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt orn. <i>m</i> 500 watt orn. <i>m</i> Empty sockets <i>m</i> Empty sockets orn <i>m</i> Decorative lights <i>m</i>	7.50 10.00 14.00 18.00 28.00 4.50 1.50 75c per 100 watt per month	2,348.17	††
Etobicoke Twp..		{ 2 1,059 22 8 9 4	25 watt <i>m</i> 100 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	12.50 per 100 watt 12.50 17.00 14.50 29.00 36.00	13,955.49	**
Exeter.....	1,654	{ 175 4 32 3	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 100 watt (Park) <i>m</i>	9.50 20.00 33.00 8.50	2,790.89	1.69
Fergus.....	2,759	{ 145 20 22 4	100 watt <i>m</i> 150 watt <i>m</i> 300 watt orn. <i>m</i> Traffic lights <i>m</i>	11.00 14.50 27.50 18.00	2,490.00	0.90
Finch.....	396	39	100 watt <i>m</i>	13.00	507.00	1.28
Flesherton.....	452	{ 54 1	100 watt <i>m</i> 300 watt <i>m</i>	11.00 26.00	620.00	1.37
Fonthill.....	860	{ 72 14	100 watt <i>m</i> 300 watt <i>m</i>	14.00 25.00	1,358.00	1.58
Forest.....	1,562	{ 109 150	60 watt <i>m</i> 100 watt <i>m</i> (Station platform) <i>m</i>	7.00 11.00 51.00	2,456.21	1.57

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
					\$ c.	\$ c.	\$ c.
Forest Hill.....	12,172	{ 612	100 watt	<i>m</i>	12.00	8,533.55	0.70
		{ 1	200 watt	<i>m</i>	19.00		
		{ 3	300 watt	<i>m</i>	27.00		
		{ 28	300 watt	<i>m</i>	38.00		
		{ 5	400 watt	<i>m</i>	61.00		
		{ 3	Traffic lights	<i>m</i>	25.80		
Fort William....	24,843	{ 387	100 c.p.	<i>s</i>	8.00	19,755.56	0.80
		{ 58	400 c.p.	<i>s</i>	18.00		
		{ 77	600 c.p.	<i>s</i>	28.00		
		{ 244	1,000 c.p.	<i>s</i>	38.00		
		{ 26	25 watt	<i>m</i>	2.70		
		{ 188	100 watt	<i>m</i>	8.00		
Galt.....	14,584	{ 115	300 watt	<i>m</i>	23.00	15,346.50	1.05
		{ 989	100 c.p.	<i>s</i>	9.00		
		{ 294	100 watt	<i>m</i>	6.50		
		{ 100	100 watt	<i>m</i>	8.00		
		{ 22	100 watt	<i>m</i>	16.00		
		{ 18	150 watt	<i>m</i>	8.50		
		{ 130	150 watt	<i>m</i>	9.00		
		{ 4	300 watt	<i>m</i>	16.50		
Georgetown†....	2,452	{ 80	300 watt	<i>m</i>	17.00	2,900.00	.....
		{ 12	300 watt	<i>m</i>	26.00		
		{ 165	100 watt	<i>m</i>	11.00		
		{ 1	300 watt	<i>m</i>	19.00		
Glencoe.....	827	{ 5	300 watt	<i>m</i>	30.00	2,006.80	2.43
		{ 16	500 watt	<i>m</i>	38.50		
		{ 106	100 watt	<i>m</i>	14.00		
		{ 9	200 watt	<i>m</i>	20.00		
Goderich.....	4,674	{ 14	300 watt	<i>m</i>	30.50	4,508.00	0.96
		{ 327	100 c.p.	<i>s</i>	9.00		
		{ 8	100 watt	<i>m</i>	15.00		
		{ 4	250 watt	<i>m</i>	18.00		
		{ 7	400 watt	<i>m</i>	35.00		
Grand Valley...	645	{ 8	500 watt	<i>m</i>	37.00	920.00	1.43
		{ 16	600 watt	<i>m</i>	52.00		
		{ 42	100 watt	<i>m</i>	12.00		
		{ 13	300 watt	<i>m</i>	32.00		
Granton.....		37	100 watt	<i>m</i>	10.00	370.23	**
Gravenhurst....	2,261	{ 134	150 c.p.	<i>s</i>	10.00	2,118.32	0.94
		{ 4	50 watt	<i>m</i>	7.50		
		{ 20	100 watt	<i>m</i>	10.00		
		{ 12	100 watt (6 mos.)	<i>m</i>	6.00		
		{ 16	300 watt	<i>m</i>	30.00		
Guelph.....	22,500	{ 18	50-60 watt	<i>m</i>	4.00	19,451.44	0.86
		{ 1,400	100 watt	<i>m</i>	10.00		
		{ 192	200 watt	<i>m</i>	12.50		
		{ 44	300 watt	<i>m</i>	18.75		
		{ 12	500 watt	<i>m</i>	25.00		
		{ 40	500 watt	<i>m</i>	34.00		
		{ 13	1,000 watt	<i>m</i>	46.50		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

†Includes Glen Williams.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Hagersville . . . . .	1,369	{ 115 20 2	100 watt 300 watt 1,000 watt	<i>m</i> 14.00 <i>m</i> 22.00 <i>m</i> 60.00	2,170.00	1.59
		{ 6 102 12 8,322 1,383 114 1,090	40 watt 50 watt 60 watt 100 watt 200 watt 300 watt 500 watt	<i>m</i> 4.50 <i>m</i> 6.00-7.00 <i>m</i> 8.00 <i>m</i> 7.00-11.00 <i>m</i> 11.00-13.00 <i>m</i> 18.00-34.00 <i>m</i> 32.00-37.00	124,507.78	0.80
		{ 65 2 2 10 3	750 watt 1,000 watt 1,200 watt 500 watt (stands) 840 watt (special) 1,280 watt (special) Danger signals	<i>m</i> 55.00 <i>m</i> 70.00 <i>m</i> 70.00 <i>m</i> 40.00 <i>m</i> 72.00 <i>m</i> 131.00 <i>m</i> 28.00		
Hanover . . . . .	3,190	{ 94 16 4 13	150 c.p. 250 c.p. 100 watt 200 watt	<i>s</i> 17.00 <i>s</i> 22.00 <i>m</i> 17.00 <i>m</i> 22.00	2,397.54	0.75
Harriston . . . . .	1,292	{ 79 4 13 29	150 c.p. 100 watt 150 watt 200 watt	<i>s</i> 12.00 <i>m</i> 12.00 <i>m</i> 13.50 <i>m</i> 15.00	1,606.50	1.24
Harrow . . . . .	1,092	{ 3 86	100 watt 200 watt	<i>m</i> 12.00 <i>m</i> 16.50	1,455.00	1.33
Hastings . . . . .	823	{ 66 8	100 watt 200 watt Decorative lights	<i>m</i> 16.00 <i>m</i> 20.00 <i>m</i> 92.00	1,300.10	1.58
Havelock . . . . .	1,103	{ 64 25	100 c.p. 250 c.p.	<i>s</i> 15.00 <i>s</i> 24.00	1,560.00	1.41
Hensall . . . . .	686	84	100 watt	<i>m</i> 12.00	1,008.00	1.47
		{ 93 19 15 51 11 10 6 7	150 c.p. 250 c.p. 400 c p (stands) 150 watt 250 watt 300 watt 300 watt (stands) 300 watt (Park)	<i>s</i> 12.50 <i>s</i> 14.00 <i>s</i> 26.00 <i>m</i> 13.00 <i>m</i> 17.50 <i>m</i> 19.00 <i>m</i> 26.00 <i>m</i> 27.00	3,200.50	1.05
Hespeler . . . . .	3,037					
Highgate . . . . .	324	{ 40 6 1	100 watt 200 watt 300 watt	<i>m</i> 11.00 <i>m</i> 17.00 <i>m</i> 25.00	567.00	1.75
Holstein . . . . .		15	100 watt	<i>m</i> 23.00	345.00	**
Humberstone . . . . .	2,381	{ 109 18	100 watt 200 watt	<i>m</i> 12.50 <i>m</i> 17.50	1,663.12	0.70

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Huntsville.....	2,943	69	150 c.p.	<i>s</i> 16.00	2,792.00	0.95
		1	250 c.p.	<i>s</i> 20.00		
		45	75 watt	<i>m</i> 10.00		
		11	100 watt	<i>m</i> 12.00		
		6	200 watt	<i>m</i> 16.00		
		3	300 watt	<i>m</i> 20.00		
Ingersoll.....	5,756	31	500 watt	<i>m</i> 30.00	4,841.52	††
		13	100 c.p. (6 mos.)	<i>s</i> 5.50		
		336	100 c.p.	<i>s</i> 10.00		
		2	600 c.p.	<i>s</i> 28.00		
		2	1,000 c.p. (church)	<i>s</i> 25.00		
		26	1,000 c.p.	<i>s</i> 35.00		
Iroquois.....	1,123	12	300 watt	<i>m</i> 30.00	927.00	0.83
		56	150 c.p.	<i>s</i> 10.00		
		11	400 c.p.	<i>s</i> 17.00		
Jarvis.....	536	20	100 watt	<i>m</i> 9.00	858.00	1.60
		78	100 watt	<i>m</i> 11.00		
		17	150 watt	<i>m</i> 21.00	1,786.00	1.45
Kemptville.....	1,230	1	250 watt	<i>m</i> 25.00		
		168	150 c.p.	<i>s</i> 18.00	4,370.00	1.70
Kincardine.....	2,483	30	100 watt	<i>m</i> 13.00		
		42	200 watt	<i>m</i> 23.00		
		1	1,000 watt	<i>m</i> 80.00		
Kingston.....	26,741	105	100 c.p.	<i>s</i> 12.00	21,219.34	0.80
		1	250 c.p.	<i>s</i> 25.00		
		2	400 c.p.	<i>s</i> 30.00		
		275	600 c.p.	<i>s</i> 35.00		
		258	600 c.p. orn.	<i>s</i> 40.00		
Kingsville.....	2,453	112	150 c.p.	<i>s</i> 10.50	2,884.44	††
		25	250 c.p.	<i>s</i> 15.00		
		127	100 watt	<i>m</i> 10.50	432.00	**
Kirkfield.....		24	100 watt	<i>m</i> 18.00		
Kitchener.....	33,281	47	16 c.p.	<i>s</i> 7.00	32,239.06	††
		2,089	80 c.p.	<i>s</i> 8.00		
		167	250 c.p.	<i>s</i> 13.00		
		26	1,000 c.p.	<i>s</i> 25.00		
		248	100 watt	<i>m</i> 9.00		
		467	200 watt	<i>m</i> 14.00		
		58	300 watt	<i>m</i> 17.50		
		109	500 watt	<i>m</i> 25.00		
Lakefield.....	1,301	114	100 watt	<i>m</i> 15.00	1,710.00	1.3
Lambeth.....		13	100 watt	<i>m</i> 11.00	763.00	**
		20	300 watt	<i>m</i> 31.00		
Lanark.....	686	44	100 watt	<i>m</i> 13.00	572.00	0.8
Lancaster.....	570	40	100 watt	<i>m</i> 12.00	480.00	0.8

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
La Salle.....	907	67	100 watt	<i>m</i>	\$ c. 12.00	\$ c. 804.00	\$ c. 0.89
Leamington.....	6,048	{ 168	250 c.p.	<i>s</i>	15.00	5,699.89	††
		{ 8	600 c.p.	<i>s</i>	25.00		
		{ 187	100 watt	<i>m</i>	13.00		
		{ 27	200 watt	<i>m</i>	17.00		
		{ 11	300 watt	<i>m</i>	21.00		
		{ 4	500 watt	<i>m</i>	35.00		
Lindsay.....	7,241	{ 428	100 c.p.	<i>s</i>	11.00	6,309.69	0.87
		{ 27	1,000 c.p.	<i>s</i>	60.00		
Listowel.....	2,984	{ 317	100 watt	<i>m</i>	10.00	4,505.04	††
		{ 10	200 watt	<i>m</i>	25.00		
		{ 33	500 watt	<i>m</i>	35.00		
London.....	75,176	{ 1,481	150 c.p.	<i>s</i>	10.00-11.00	56,265.62	††
		{ 334	400 c.p.	<i>s</i>	18.00-24.00		
		{ 188	600 c.p.	<i>s</i>	28.00-30.00		
		{ 2	50 watt	<i>m</i>	5.00		
		{ 662	100 watt	<i>m</i>	10.00-14.00		
		{ 4	150 watt	<i>m</i>	12.00		
		{ 12	200 watt	<i>m</i>	9.34		
		{ 66	200 watt	<i>m</i>	14.00		
		{ 688	300 watt	<i>m</i>	18.00		
		{ 190	500 watt	<i>m</i>	35.00-40.00		
London Twp.....		{ 1	750 watt	<i>m</i>	50.00	1,454.40	**
		{ 66	100 watt	<i>m</i>	12.00		
		{ 6	100 watt	<i>m</i>	21.50		
		{ 2	200 watt	<i>m</i>	16.50		
		{ 10	300 watt	<i>m</i>	30.00		
		{ 1	300 watt	<i>m</i>	31.00		
Long Branch....	5,147	{ 204	100 watt	<i>m</i>	12.00	4,266.48	0.83
		{ 117	200 watt	<i>m</i>	16.50		
Lucan.....	643	{ 55	100 watt	<i>m</i>	14.00	1,467.68	2.28
		{ 21	300 watt	<i>m</i>	33.00		
Lucknow.....	977	{ 69	100 watt	<i>m</i>	15.00	1,485.00	1.52
		{ 18	200 watt	<i>m</i>	25.00		
Lynden.....		44	100 watt	<i>m</i>	10.00	440.00	**
Madoc.....	1,130	{ 340	25 watt	<i>m</i>	3.00	1,395.95	1.24
		{ 69	100 watt	<i>m</i>	5.00		
			Decorative lights	<i>m</i>	30.95		
Markdale.....	776	{ 61	100 c.p.	<i>s</i>	9.00	1,001.00	1.29
		{ 20	250 c.p.	<i>s</i>	15.00		
		{ 4	100 watt	<i>m</i>	10.00		
		{ 7	250 watt	<i>m</i>	15.00		
Markham.....	1,197	{ 112	100 watt	<i>m</i>	11.00	1,698.00	1.42
		{ 10	200 watt	<i>m</i>	16.00		
		{ 12	300 watt	<i>m</i>	25.50		
Marmora.....	1,004	{ 44	75 watt	<i>m</i>	13.00	1,298.00	1.29
		{ 24	100 watt	<i>m</i>	16.00		
		{ 19	150 watt	<i>m</i>	18.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Martintown.....		16	100 watt <i>m</i>	\$ c. 11.00	\$ c. 176.00	\$ c. **
Maxville.....	811	68	150 watt <i>m</i>	17.00	1,157.53	1.4
Meaford.....	2,759	{ 193 28 30 4	{ 150 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i>	{ 12.00 12.00 20.00 40.00	3,329.37	1.2
Merlin.....		{ 35 12	{ 100 watt <i>m</i> 200 watt <i>m</i> Decorative lights	{ 15.00 21.00 51c per 100 watts per month	795.36	**
Merritton.....	2,916	{ 310 26	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 9.00 21.00	3,331.52	1.1
Midland.....	6,627	{ 328 52 30 8† 36	{ 150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i> 300 watt (6 mos.) <i>m</i> 500 watt <i>m</i>	{ 11.00 11.00 22.00 12.00 40.00	6,376.00	0.9
Mildmay.....	764	{ 47 11	{ 100 watt <i>m</i> 150 watt <i>m</i>	{ 10.00 16.00	660.00	0.8
Millbrook.....	749	{ 35 20 3	{ 60 watt <i>m</i> 100 watt <i>m</i> 300 watt <i>m</i>	{ 12.00 14.00 25.00	783.20	1.0
Milton.....	1,915	{ 144 25	{ 100 watt <i>m</i> 300 watt <i>m</i>	{ 9.50 30.00	2,141.96	1.1
Milverton.....	994	{ 99 12	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 9.00 12.00	1,035.00	1.0
Mimico.....	7,194	{ 311 72 122	{ 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 12.00 20.00 26.00	8,337.44	1.1
Mitchell.....	1,670	{ 197 5 29 2	{ 150 c.p. <i>s</i> 250 c.p. <i>s</i> 300 watt <i>m</i> 300 watt <i>m</i>	{ 9.00 12.00 29.00 22.50	2,590.25	1.5
Moorefield.....		25	100 watt <i>m</i>	13.00	350.00	**
Morrisburg.....	1,484	{ 226 64	{ 100 watt <i>m</i> 25 watt (6 mos.) <i>m</i>	{ 11.00 39c per 100 watts per month	2,523.15	1.7
Mount Brydges.....		{ 47 1 17	{ 100 watt <i>m</i> 200 watt <i>m</i> 200 watt orn. <i>m</i>	{ 10.00 17.00 21.00	844.00	**
Mount Forest...	1,936	{ 163 37 3 6	{ 100 watt <i>m</i> 150 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 10.00 13.00 15.00 20.00	2,275.92	1.1

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system

†Dock lights owned by Dominion Government.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
					\$ c.	\$ c.	\$ c.
Napanee.....	3,241	{ 165	100 watt	<i>m</i>	11.00	3,961.22	1.16
		{ 2	250 watt	<i>m</i>	28.00		
		{ 2	250 watt	<i>m</i>	30.00		
		{ 5	300 watt	<i>m</i>	27.00		
		{ 40	300 watt	<i>m</i>	30.00		
		{ 21	400 watt	<i>m</i>	36.00		
Neustadt.....	431	39	150 c.p.	<i>s</i>	18.00	702.00	1.63
Newbury.....	280	48	100 watt	<i>m</i>	15.00	720.00	2.57
Newcastle.....	701	{ 55	60 watt	<i>m</i>	11.00	614.68	0.88
		{ 2	100 watt	<i>m</i>	14.00		
New Hamburg..	1,441	{ 165	100 watt	<i>m</i>	9.00	2,217.00	1.54
		{ 61	200 watt	<i>m</i>	12.00		
New Toronto...	7,514	{ 75	75 watt	<i>m</i>	13.00	7,767.44	1.03
		{ 11	150 watt	<i>m</i>	15.50		
		{ 13	200 watt	<i>m</i>	17.00		
		{ 280	300 watt	<i>m</i>	21.00-24.00		
		{ 3	1,000 watt	<i>m</i>	53.00		
Niagara Falls...	18,770	{ 844	100 c.p.	<i>s</i>	11.00	26,935.73	1.43
		{ 13	250 c.p.	<i>s</i>	13.00		
		{ 66	600 c.p.	<i>s</i>	18.00		
		{ 211	600 c.p.	<i>s</i>	37.00		
		{ 196	1,000 c.p.	<i>s</i>	42.00		
		{ 1	100 watt	<i>m</i>	11.00		
Niagara-on-the-Lake.....	1,764	{ 217	100 watt	<i>m</i>	11.00	3,669.26	2.08
		{ 8	200 watt	<i>m</i>	18.00		
		{ 59	300 watt	<i>m</i>	20.00		
Nipigon Twp.....		{ 33	100 watt	<i>m</i>	11.00	750.00	**
		{ 17	200 watt	<i>m</i>	21.00		
North Bay.....	16,013	{ 552	100 c.p.	<i>s</i>	12.00	10,490.91	0.65
		{ 59	250 c.p.	<i>s</i>	24.00		
		{ 52	750 c.p.	<i>s</i>	50.00		
North York.....		{ 185	100 watt	<i>m</i>	12.00-18.00	4,137.31	**
		{ 66	200 watt	<i>m</i>	19.00-23.00		
		{ 1	400 watt	<i>m</i>	31.00		
		{ 1	(floodlight)				
		{ 2	500 watt	<i>m</i>	25.80		
		{ 2	1,000 watt	<i>m</i>	65.00		
		{ 1	(floodlight)				
			Safety light	<i>m</i>	30.00		
Norwich.....	1,301	{ 124	100 watt	<i>m</i>	10.00	2,211.65	1.70
		{ 28	400 watt	<i>m</i>	35.00		
Norwood.....	710	{ 77	100 c.p.	<i>s</i>	18.00	1,596.00	2.25
		{ 10	250 c.p.	<i>s</i>	21.00		
Oil Springs.....	541	{ 41	100 watt	<i>m</i>	15.00	642.58	1.19
		{ 1	300 watt	<i>m</i>	31.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Omemeë.....	630	{ 54 4 10	100 c.p. 100 watt 250 watt	<i>s</i> 14.00 <i>m</i> 12.50 <i>m</i> 28.00	1,075.26	1.71
Orangeville.....	2,558	{ 100 51 38	150 c.p. 250 c.p. 300 watt	<i>s</i> 10.00 <i>s</i> 16.00 <i>m</i> 23.00	2,689.68	1.05
Orono.....		{ 51	100 watt Decorative lights	<i>m</i> 15.00 <i>m</i> 47c per 100 watts per month	768.28	**
Oshawa.....	25,035	{ 868 54 112 30 1	100 c.p. 100 watt 150 watt 200 watt 500 watt	<i>s</i> 11.00 <i>m</i> 12.00 <i>m</i> 13.00 <i>m</i> 18.00 <i>m</i> 27.00	12,194.82	0.49
Ottawa.....	150,277	{ 337 891 914 59 779 44 2,795 30	100 c.p. 400 c.p. 600 c.p. Arc lamps 100 watt 500 watt 100 watt (Whiteway) 100 watt	<i>s</i> 7.00 <i>s</i> 25.00 <i>s</i> 35.00 <i>s</i> 45.00 <i>m</i> 6.00 <i>m</i> 35.00 <i>m</i> 48c per foot <i>m</i> 5½c. per foot	81,260.08	0.54
Otterville.....		{ 63 13	100 watt 200 watt	<i>m</i> 11.00 <i>m</i> 16.00	896.28	**
Owen Sound.....	13,599	{ 454 347 16 47	100 c.p. 250 c.p. 400 c.p. 500 c.p.	<i>s</i> 11.00 <i>s</i> 14.00 <i>s</i> 21.00 <i>s</i> 35.00	11,855.09	0.87
Paisley.....	730	{ 91	100 watt	<i>m</i> 13.00	1,183.00	1.62
Palmerston.....	1,400	{ 66 1 11 25 9 4 19 32 1	80 c.p. 400 c.p. 60 watt 100 watt 150 watt 250 watt 300 watt 300 watt (stands) 500 watt	<i>s</i> 9.00 <i>s</i> 25.00 <i>m</i> 9.00 <i>m</i> 10.00 <i>m</i> 10.00 <i>m</i> 25.00 <i>m</i> 25.00 <i>m</i> 30.00 <i>m</i> 35.00	2,628.00	1.88
Paris.....	4,427	{ 479 2 10 34	100 c.p. 60 watt 400 watt 500 watt	<i>s</i> 8.50 <i>m</i> 7.00 <i>m</i> 28.00 <i>m</i> 35.00	5,555.50	1.25
Parkhill.....	1,029	{ 89 15	100 watt 200 watt	<i>m</i> 14.00 <i>m</i> 23.00	1,592.38	1.54
Penetanguishene.	4,177	{ 193 4 1 6	150 c.p. 100 watt 200 watt 300 watt	<i>s</i> 11.00 <i>m</i> 11.00 <i>m</i> 15.00 <i>m</i> 20.00	2,302.00	0.55

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Perth.....	4,197	{ 84 14 7 19	100 c.p. 250 c.p. 400 c.p. 600 c.p.	s s s s 17.00 27.00 30.00 45.00	2,855.60	0.68
Peterborough...	24,400	{ 122 371 618 85	60 watt 100 watt 300 watt 300 watt	m m m m 12.00 13.00 20.00 45.00	22,451.66	0.92
Petrolia.....	2,768	{ 147 24 1	150 c.p. 600 c.p. 300 watt	s s m 12.00 43.00 24.00	2,820.00	1.02
Picton.....	3,400	{ 327 3 29	100 c.p. 250 c.p. 600 c.p.	s s s 9.00 15.00 31.00	3,956.04	1.16
Plattsville.....		34	100 watt	m 12.00	408.00	**
Point Edward...	1,175	{ 103 19 4	150 c.p. 250 c.p. 400 c.p.	s s s 13.00 20.00 22.00	1,802.64	1.53
Port Arthur....	23,790	{ 2,709 232 208	100 watt 300 watt 500 watt	m m m 5.00 10.00 15.00	19,684.11	0.83
Port Colborne...	6,772	{ 15 78 34 229 132	400 c.p. 600 c.p. 100 watt 100 watt 200 watt	s s m m m 25.00 30.00 12.00 14.00 18.00	8,701.43	††
Port Credit.....	1,906	{ 289 8	100 watt 200 watt	m m 9.50 16.00	2,834.38	1.49
Port Dalhousie..	1,599	{ 131 2	100 watt 200 watt	m m 12.00 15.00	1,600.50	1.00
Port Dover.....	1,790	{ 204 14 32 4 306	100 watt 300 watt 100 watt (Summer) 300 watt (Summer) 25 watt (decorative)	m m m m m m 10.00 18.00 6.00 10.00 10.00 67c. per 100 watts per month	2,739.02	1.53
Port Elgin.....	1,415	{ 103 120 26	100 watt (3 mos.) 100 watt 200 watt	m m m 14.00 14.00 22.00	2,732.77	1.93
Port Hope.....	4,997	{ 406 2 2 3	100 c.p. 250 c.p. 200 watt 300 watt	s s m m 10.00 22.00 14.50 20.50	4,180.66	0.83
Port McNicoll..	964	{ 66 19	100 watt 200 watt	m m 10.00 15.00	945.00	0.98

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
					\$ c.	\$ c.	\$ c.
Port Perry . . . . .	1,175	{ 90 12	100 watt 300 watt	<i>m</i> <i>m</i>	15.00 30.00	1,690.00	1.44
Port Rowan . . . . .	700	58	100 watt	<i>m</i>	14.00	863.99	1.23
Port Stanley . . . . .	824	{ 220 8	100 watt 200 watt	<i>m</i> <i>m</i>	11.00 14.00	2,521.95	3 06
Prescott . . . . .	2,930	{ 227 80	100 watt 200 watt	<i>m</i> <i>m</i>	11.50 19.00	4,120.50	1.41
Preston . . . . .	6,337	{ 135 224 9 40 5	150 c.p. 100 watt 250 watt 500 watt 500 watt stands.	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	11.00 11.00 20.00 32.00 35.00	5,545.41	0.88
Priceville . . . . .		16	100 watt	<i>m</i>	30.00	480.00	**
Princeton . . . . .		39	100 watt	<i>m</i>	12.00	468.00	**
Queenston . . . . .		25	100 watt	<i>m</i>	16.00	397.35	**
Richmond . . . . .	428	26	100 watt	<i>m</i>	15.00	390.00	0.91
Richmond Hill . . . . .	1,317	{ 105 19 9	75 watt 100 watt 200 watt	<i>m</i> <i>m</i> <i>m</i>	11.00 12.00 16.00	1,527.00	1.16
Ridgetown . . . . .	1,986	{ 181 1 91 17 2 2 20	150 c.p. 1,000 c.p. 100 watt 200 watt 200 watt orn. 250 watt 500 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	8.50 38.00 8.50 16.00 16.00 18.00 33.00	3,504.84	††
Ripley . . . . .	420	{ 28 21	100 watt 200 watt	<i>m</i> <i>m</i>	17.00 30.00	1,124.00	2.68
Riverside . . . . .	5,235	{ 275 71 14 10	75 watt 150 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 13.00 15.00 18.50	3,797.40	††
Rockwood . . . . .		91	100 watt	<i>m</i>	9.00	815.25	**
Rodney . . . . .	736	{ 70 23	100 watt 300 watt	<i>m</i> <i>m</i>	10.00 25.00	1,275.00	1.73
Rosseau . . . . .	305	47	100 watt	<i>m</i>	30.00	1,410.00	4 62
Russell . . . . .		50	100 watt	<i>m</i>	16.00	800.00	**

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
St. Catharines...	28,625	2,229	100 watt	<i>m</i> 8.00	27,277.49	††
		156	200 watt	<i>m</i> 11.00		
		5	500 watt	<i>m</i> 20.00		
		10	1,000 watt	<i>m</i> 40.00		
		19	100 watt orn.	<i>m</i> 10.00		
		71	200 watt orn.	<i>m</i> 20.00		
		106	500 watt orn.	<i>m</i> 34.00		
		31	200 watt special	<i>m</i> 14.00		
		17	500 watt (bridge)	<i>m</i> 20.00		
		146	100 watt (rural)	<i>m</i> 9.00		
		4	60 watt	5.00 per 100 watts)		
St. George.....		40	100 watt	<i>m</i> 11.00	511.00	**
		3	200 watt	<i>m</i> 15.00		
		1	300 watt	<i>m</i> 26.00		
St. Jacobs.....		43	100 watt	<i>m</i> 10.00	430.00	**
St. Marys.....	4,009	240	100 c.p.	<i>s</i> 10.50	4,925.25	1.23
		106	250 c.p.	<i>s</i> 14.00		
		20	150 watt	<i>m</i> 12.00		
		32	300 watt	<i>m</i> 22.00		
St. Thomas.....	16,461	1,107	100 c.p.	<i>s</i> 9.00	14,961.54	††
		28	250 c.p.	<i>s</i> 13.00		
		114	600 c.p.	<i>s</i> 34.00		
		2	600 c.p.	<i>s</i> 32.00		
		6	60 watt	<i>m</i> 4.50		
		36	100 watt (5 mos)	<i>m</i> 5.00		
		2	100 watt	<i>m</i> 10.00		
Sarnia.....	17,979	22	300 watt	<i>m</i> 22.00	20,370.66	††
		1,103	150 c.p.	<i>s</i> 12.00		
		55	250 c.p.	<i>s</i> 16.50		
		74	400 c.p.	<i>s</i> 22.00		
		77	600 c.p.	<i>s</i> 35.00		
		14	600 c.p.	<i>s</i> 45.00		
		7	100 watt	<i>m</i> 12.00		
		22	150 watt	<i>m</i> 16.50		
		1	200 watt	<i>m</i> 18.50		
		1	250 watt	<i>m</i> 20.50		
Scarborough Tp.....		5	250 watt	<i>m</i> 22.00	15,667.70	**
		1	1,000 watt	<i>m</i> 54.00		
		210	100 c.p.	<i>s</i> 12.00		
		4	250 c.p.	<i>s</i> 17.00		
		20	40 watt	<i>m</i> 12.00		
		2	60 watt	<i>m</i> 18.00		
		462	100 watt	<i>m</i> 11.50-17.50		
		53	200 watt	<i>m</i> 15.50-21.00		
		237	300 watt	<i>m</i> 24.00-26.00		
		55	Empty sockets	<i>m</i> 9.00-14.50		
Seaforth.....	1,782	120	100 c.p.	<i>s</i> 9.50	2,039.00	1.14
		31	300 watt	<i>m</i> 29.00		

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Shelburne.....	1,053	98	150 c.p.	<i>s</i> \$ c. 9.00	\$ c. 882.00	\$ c. 0.84
		{ 291	100 c.p.	<i>s</i> 11.00	5,144.43	††
		{ 11	250 c.p.	<i>s</i> 15.00		
		{ 13	400 c.p.	<i>s</i> 18.00		
		{ 27	1,000 c.p.	<i>s</i> 40.00		
Simcoe.....	6,340	{ 11	150 watt	<i>m</i> 11.00		
		{ 8	200 watt	<i>m</i> 15.00		
		{ 6	200 watt orn.	<i>m</i> 24.00		
		{ 1	500 watt	<i>m</i> 53.00	2,055.40	1.04
		{ 1	1,000 watt	<i>m</i> 60.00		
Sioux Lookout..	1,967	107	100 watt	<i>m</i> 21.00		
		{ 18	50 watt	<i>m</i> 9.00	7,475.28	0.97
Smiths Falls....	7,741	{ 101	100 watt	<i>m</i> 14.00		
		{ 2	200 watt	<i>m</i> 20.00		
		{ 266	300 watt	<i>m</i> 22.00		
		{ 10	25 watt	<i>m</i> 3.00	†1,447.00	**
Smithville.....		{ 82	100 watt	<i>m</i> 12.00		
		{ 1	200 watt	<i>m</i> 18.00		
		{ 8	300 watt	<i>m</i> 27.00		
		{ 114	100 watt	<i>m</i> 12.00	2,467.68	1.68
Southampton...	1,467	{ 55	250 watt	<i>m</i> 17.00		
		{ 50	60 watt (3 mos.)	<i>m</i> 12.00		
		{ 1	Decorative string	<i>m</i> 36.00		
		{ 3	100 watt	<i>m</i> 9.50	611.50	1.60
Springfield.....	382	{ 53	100 watt	<i>m</i> 11.00		
Stamford Twp...		916	100 watt	<i>m</i> 9.00	8,208.00	**
Stayner.....	1,105	{ 86	150 c.p.	<i>s</i> 10.00	1,212.00	1.10
		{ 22	200 watt	<i>m</i> 16.00		
		{ 110	150 watt	<i>m</i> 10.00	1,637.04	1.73
Stirling.....	947	{ 2	300 watt	<i>m</i> 24.75		
		{ 15	500 watt	<i>m</i> 32.50		
Stouffville.....	1,198	127	100 watt	<i>m</i> 11.00	1,397.00	1.17
		{ 891	100 c.p.	<i>s</i> 10.00	17,113.77	1.00
		{ 83	600 c.p.	<i>s</i> 25.00		
		{ 132	600 c.p.	<i>s</i> 30.00		
Stratford.....	17,163	{ 11	1,000 c.p.	<i>s</i> 35.00		
		{ 49	1,000 c.p.	<i>s</i> 34.00		
		{ 2	100 watt	<i>m</i> 10.00		
		{ 4	500 watt	<i>m</i> 34.00		
		{ 303	100 c.p.	<i>s</i> 9.00	4,095.96	1.38
Strathroy.....	2,969	{ 21	250 c.p.	<i>s</i> 15.00		
		{ 17	600 watt	<i>m</i> 62.00		
		{ 42	100 watt	<i>m</i> 10.50	1,358.50	1.95
Streetsville.....	697	{ 33	200 watt	<i>m</i> 15.00		
		{ 13	500 watt	<i>m</i> 32.50		

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‡14 months' revenue.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Sudbury.....	31,875	{ 759	100 c.p.	<i>s</i> 12.00	26,115.13	0.82
		{ 255	250 c.p.	<i>s</i> 16.00		
		{ 2	600 c.p.	<i>s</i> 28.00		
		{ 42	600 c.p.	<i>s</i> 50.00		
		{ 2	1,000 c.p.	<i>s</i> 35.00		
		{ 15	1,000 c.p.	<i>s</i> 57.00		
		{ 68	1,500 c.p.	<i>s</i> 65.00		
		{ 101	Mercury vapour	<i>s</i> 65.00		
			Decorative lighting	45c. per 100 watts		
Sunderland.....		{ 29	100 watt	<i>m</i> 20.00	730.00	**
		{ 5	500 watt	<i>m</i> 30.00		
Sutton.....	1,055	{ 127	100 watt	<i>m</i> 13.00	2,203.34	2.09
		{ 33	200 watt	<i>m</i> 17.00		
Swansea.....	6,606	{ 158	100 watt	<i>m</i> 12.00	4,942.19	0.75
		{ 145	150 watt	<i>m</i> 20.00		
		{ 32	200 watt	<i>m</i> 19.00		
Tara.....	510	{ 61	100 watt	<i>m</i> 11.00	1,177.00	2.31
		{ 17	300 watt	<i>m</i> 30.00		
Tavistock.....	1,080	{ 85	100 watt	<i>m</i> 10.00	1,317.60	1.22
		{ 39	200 watt	<i>m</i> 12.00		
Tecumseh.....	2,237	{ 18	400 c.p.	<i>s</i> 22.00	1,378.00	††
		{ 81	100 watt	<i>m</i> 12.00		
		{ 1	300 watt	<i>m</i> 24.00		
Teeswater.....	873	{ 48	100 c.p.	<i>s</i> 13.00	1,107.60	1.27
		{ 15	250 c.p.	<i>s</i> 26.00		
Thamesford.....		47	100 watt	<i>m</i> 11.00	517.00	**
Thamesville....	811	{ 69	100 watt	<i>m</i> 9.00	1,337.76	1.65
		{ 34	200 watt	<i>m</i> 15.50		
		{ 7	200 watt orn.	<i>m</i> 18.00		
		{ 1	250 watt	<i>m</i> 17.50		
Thedford.....	598	71	100 watt	<i>m</i> 15.00	1,065.00	1.78
Thorndale.....		32	100 watt	<i>m</i> 12.00	384.00	**
Thornton.....		25	100 watt	<i>m</i> 20.00	500.00	**
Thorold.....	5,080	{ 413	75 watt	<i>m</i> 7.50	3,563.40	0.70
		{ 2	100 watt	<i>m</i> 8.00		
		{ 35	200 watt	<i>m</i> 12.00		
		{ 2	300 watt	<i>m</i> 15.00		
Tilbury.....	1,989	{ 111	100 watt	<i>m</i> 12.00	1,876.07	0.94
		{ 25	200 watt	<i>m</i> 20.00		
		{ 164	25 watt	38c. per 100 watts per month		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of renture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Tillsonburg.....	4,602	{ 288	100 c.p. s	9.50	5,049.54	1.10
		{ 3	250 c.p. s	13.00		
		{ 12	300 watt m	32.00		
		{ 45	500 watt m	42.00		
		{ 2	Traffic signals m	10.32-18.36		
		{ 1	60 watt (Police signal) m	9.00		
Toronto.....	648,098	{ 39,573	100 watt m	7.85-11.85	464,318.82	0.72
		{ 4,309	200 watt m	11.75-20.00		
		{ 1,437	300 watt m	15.50-20.50		
		{ 195	500 watt m	25.00-30.00		
		{ 98	5-lt. stds. 100 w. m	40.50		
		{ 409	1-lt stds 500 w m	40.50		
		{ 391	1-lt stds 300 w m	37.25		
Toronto Twp .....		{ 478	100 watt m	11.50	5,374.21	**
		{ 1	Intersection light m	43.20		
Tottenham.....	532	49	150 c.p. s	18.00	882.00	1.66
Trenton.....	7,636	{ 48	600 c.p. s	63.00	7,616.11	1.00
		{ 312	100 watt m	10.50		
		{ 4	200 watt m	15.00		
		{ 53	200 watt m	23.00		
		{ 1	500 watt m	63.00		
Tweed.....	1,181	{ 137	100 c.p. s	13.00	1,809.92	1.50
		{ 2	100 c.p. (special) s	15.00		
Uxbridge.....	1,480	{ 122	100 watt m	11.00	1,692.61	1.10
		{ 6	100 watt (5 mos) m	8.00		
		{ 17	200 watt m	16.00		
		{ 1	200 watt (5 mos.) m	11.00		
		{ 3	300 watt m	20.00		
Victoria Harbour	1,018	78	100 watt m	8.50	663.00	0.60
Walkerton.....	2,534	{ 123	100 c.p. s	14.00	2,900.47	1.10
		{ 41	200 c.p. s	24.50		
		{ 8	100 watt m	14.00		
			Decorative lights m	100.00		
Wallaceburg....	4,802	{ 230	150 c.p. s	12.00	4,847.04	1.00
		{ 18	400 c.p. s	22.00		
		{ 56	300 watt m	31.00		
Wardsville.....	248	37	100 watt m	18.00	720.00	2.90
Warkworth.....		{ 43	100 watt m	13.00	617.18	**
		{ 3	200 watt m	23.00		
Waterdown.....	867	{ 70	100 watt m	10.00	1,096.58	1.20
		{ 3	200 watt m	17.50		
		{ 17	300 watt m	20.00		
		{ 1	Caution signal m	7.00		

\*\*Population not shown in Government statistics. s Series system. m Multiple system



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Waterford.....	1,294	{ 158 14 12 1	100 watts <i>m</i> 200 watt <i>m</i> 250 watt <i>m</i> 500 watt <i>m</i>	8.00 15.00 18.00 25.00	1,498.00	1.16
Waterloo.....	8,690	{ 390 121 95 5 18 3 9 10 44	80 c.p. <i>s</i> 100 c.p. <i>s</i> 150 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 500 watt <i>m</i> 300 watt 3-lt. stds. <i>m</i> 450 watt 5-lt. stds. <i>m</i>	8.00 10.00 10.00 12.00 21.00 30.00 35.00 25.00 36.00	7,908.20	††
Watford.....	1,023	{ 90 16	100 watt <i>m</i> 300 watt <i>m</i>	12.50 31.00	1,620.96	1.58
Waubashene.....		{ 48 10	100 watt <i>m</i> 100 watt (5 mos.) <i>m</i>	9.00 5.00	482.00	**
Wendland.....	11,568	{ 175 14 429 26 66 12 3	600 c.p. <i>s</i> 600 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 300 watt orn. <i>m</i> 500 watt <i>m</i>	30.00 12.00 11.00 18.00 25.00 30.00 28.00	12,040.84	††
Wellesley.....		60	100 watt <i>m</i>	11.00	660.00	**
Wellington.....	948	{ 84 5	100 c.p. <i>s</i> 150 c.p. <i>s</i>	12.00 19.00	1,102.98	1.16
West Lorne.....	840	{ 89 10	100 watt <i>m</i> 200 watt <i>m</i>	10.00 18.00	1,062.02	1.26
Weston.....	5,289	{ 424 15 111 3 20 4	100 c.p. <i>s</i> 100 c.p. <i>s</i> 600 c.p. <i>s</i> 100 watt 5-lt. stds. <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	8.50 9.50 30.00 21.00 11.00 26.00	7,498.67	1.42
Westport.....	725	{ 2 72	50 watt <i>m</i> 100 watt <i>m</i>	10.00 19.00	1,388.04	1.91
Wheatley.....	761	{ 64 5 43	100 watt <i>m</i> 150 watt <i>m</i> 300 watt <i>m</i>	13.00 16.00 22.50	1,786.32	2.35
Whitby.....	4,236	{ 120 21 70 112 2 30	80 c.p. <i>s</i> 100 c.p. <i>s</i> 100 c.p. <i>s</i> 100 watt <i>m</i> 500 watt <i>m</i> 500 watt <i>m</i>	11.00 10.00 12.00 9.50 15.00 48.00	4,904.04	1.16
Warton.....	1,750	{ 115 27	100 watt <i>m</i> 200 watt <i>m</i>	14.00 23.00	2,388.94	1.37

††Certain additional street lighting costs for special service are paid direct in form of  
venture charges.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Williamsburgh . . . . .		{ 12	100 watt <i>m</i> Decorative lights <i>m</i>	15.00 106.92	286.92	**
Winchester . . . . .	1,017	118	100 watt <i>m</i>	8.00	944.00	0.93
Windermere . . . . .	158	13	100 watt <i>m</i>	25.00	325.00	2.06
		{ 778	100 c.p. <i>s</i>	11.00		
		157	250 c.p. <i>s</i>	15.00		
		275	400 c.p. <i>s</i>	19.00		
		4	600 c.p. <i>s</i>	26.00		
		2,406	100 c.p. orn. <i>s</i>	13.00		
		820	250 c.p. orn. <i>s</i>	17.00		
		831	400 c.p. orn. <i>s</i>	21.50		
		56	600 c.p. orn. <i>s</i>	29.50		
Windsor . . . . .	103,571	{ 47	1,000 c.p. orn. <i>s</i>	39.50	107,831.76	††
		80	100 watt <i>m</i>	8.50		
		2	150 watt <i>m</i>	11.50		
		186	200 watt <i>m</i>	13.50		
		69	300 watt <i>m</i>	19.00		
		1,467	100 watt orn. <i>m</i>	10.00		
		172	150 watt orn. <i>m</i>	13.00		
		240	200 watt orn. <i>m</i>	15.00		
		2	300 watt orn. <i>m</i>	21.50		
		12	500 watt orn. <i>m</i>	32.00		
Wingham . . . . .	2,114	{ 107	100 c.p. <i>s</i>	15.00	3,305.01	1.56
		1	250 c.p. <i>s</i>	27.00		
		31	300 watt <i>m</i>	45.00		
		10	500 watt <i>m</i>	55.00		
Woodbridge . . . . .	946	{ 98	100 watt <i>m</i>	10.00	1,134.62	1.20
		2	300 watt <i>m</i>	23.00		
			Decorative lights <i>m</i>	108.00		
		{ 550	100 c.p. <i>s</i>	8.00		
		11	250 c.p. <i>s</i>	20.00		
Woodstock . . . . .	12,325	152	100 watt <i>m</i>	8.00	8,880.00	0.72
		42	200 watt <i>m</i>	16.00		
		1	250 watt <i>m</i>	12.00		
			(floodlight)			
		103	300 watt <i>m</i>	24.00		
Woodville . . . . .	392	{ 39	100 watt <i>m</i>	12.00	636.00	1.62
		5	500 watt <i>m</i>	38.00		
Wyoming . . . . .	530	52	100 watt <i>m</i>	15.00	780.00	1.47
		{ 2,322	100 watt <i>m</i>	12.00		
		1,068	100 watt <i>m</i>	16.00		
York Twp. . . . .		66	200 watt <i>m</i>	19.00	46,905.68	**
		21	300 watt <i>m</i>	27.00		
		3	500 watt <i>m</i>	52.00		
		5	Empty sockets <i>m</i>	9.40		
Zurich . . . . .		63	100 watt <i>m</i>	11.00	693.00	**

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "D"

(pages 318 to 335)

Statistics relating to the Supply of Electrical Energy to Consumers  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1941

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## STATEMENT "E"

(pages 336 to 353)

Cost of Power to Municipalities and Rates to Consumers for  
Domestic Service—Commercial Light Service—Power Service  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1941



**STATEMENT "D"****Statistics Relating to the Supply of Electrical Energy to  
Consumers in Urban Municipalities Served by  
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

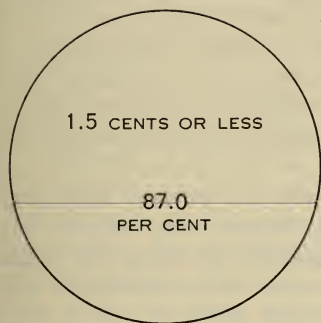
## COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

### DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY  
THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE  
IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS  
INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



1.6 TO 2.9 CENTS

12.7  
PER CENT



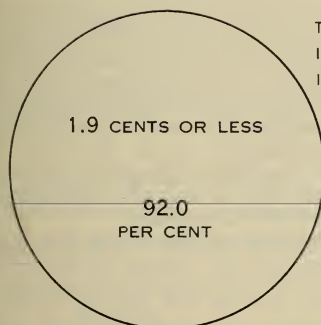
3.0 CENTS  
OR MORE

0.3  
PER CENT



### COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY  
THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE  
IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS  
INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



2.0 TO 3.9 CENTS

7.8  
PER CENT



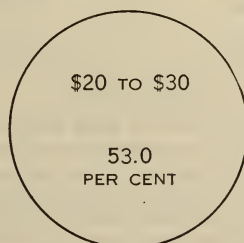
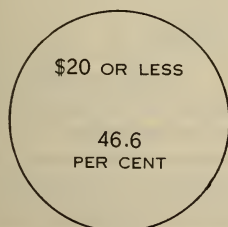
4.0 CENTS  
OR MORE

0.2  
PER CENT



### POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER  
SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS  
INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



\$30 OR MORE

0.4  
PER CENT





With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.\*

\*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

*In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."*

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence . . . . .	1,000,000	4	40,000	3,000,000	3	90,000
Power . . . . .	9,000,000	1	90,000	7,000,000	0.75	52,500
Total . . . . .	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A the rates both for residence and for power service are 33 per cent higher than in Case B, but the average revenue per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.



Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. Of the 88 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 79 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 57 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 27 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours. In addition 86 smaller urban municipalities have an average annual consumption exceeding 1,000 kw-hrs. per domestic consumer.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.7 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer. In 1941, war conditions made necessary the suspension of new installations for water heating.

**STATEMENT**

**Statistics Relating to the Supply of Electrical Energy to Consumers**  
**For Domestic Service, for Commercial Light Service**  
**Group I—CITIES**

Municipality	System	Popula- tion	Domestic service					Average monthly consumption kw-hr.	Average monthly bill \$ c.	Net cost per kw-hr. cents
			Revenue \$ c.	Consumption kw-hr.	Number of con- sumers					
Belleville.....	E.O.	14,876	86,710.19	9,895,920	3,450		239	2.09	0.9	
Brantford.....	Nia.	30,947	177,747.10	14,984,584	8,054		155	1.84	1.2	
Chatham.....	Nia.	17,148	98,205.69	5,841,558	4,340		112	1.89	1.7	
Fort William.....	T.B.	24,843	229,486.80	35,181,367	6,701		438	2.85	0.7	
Galt.....	Nia.	14,584	108,271.45	8,964,948	4,078		183	2.21	1.2	
Guelph.....	Nia.	22,500	116,546.10	10,707,057	5,550		161	1.75	1.1	
Hamilton.....	Nia.	155,511	894,646.18	76,212,669	40,810		156	1.83	1.2	
Kingston.....	E.O.	26,741	174,672.35	16,046,993	7,001		191	2.08	1.1	
Kitchener.....	Nia.	33,281	235,966.18	22,148,617	8,281		222	2.37	1.1	
London.....	Nia.	75,176	569,223.31	54,894,548	18,571		246	2.55	1.0	
Niagara Falls.....	Nia.	18,770	133,612.24	13,163,418	4,818		228	2.31	1.0	
North Bay.....	N.O.P.	16,013	105,109.01	6,195,327	3,354		154	2.61	1.7	
Oshawa.....	E.O.	25,035	209,518.33	14,191,152	6,524		181	2.68	1.5	
Ottawa.....	E.O.	150,277	589,791.57	68,227,823	14,922		381	3.29	0.9	
Owen Sound.....	G.B.	13,599	62,637.67	4,992,885	3,481		120	1.50	1.3	
Peterborough.....	E.O.	24,400	175,412.76	15,823,793	6,243		211	2.34	1.1	
Port Arthur.....	T.B.	23,790	133,004.98	15,216,130	5,474		232	2.02	0.9	
St. Catharines.....	Nia.	28,625	162,450.88	14,343,784	7,684		156	1.76	1.1	
St. Thomas.....	Nia.	16,461	134,560.58	14,217,697	4,524		262	2.47	0.9	
Sarnia.....	Nia.	17,979	98,054.87	6,821,390	4,827		118	1.69	1.4	
Stratford.....	Nia.	17,163	138,305.80	11,427,655	4,443		214	2.59	1.2	
Sudbury.....	N.O.P.	32,301	231,282.37	14,856,372	7,711		161	2.50	1.6	
Toronto.....	Nia.	648,098	4,120,990.26	354,457,009	150,570		196	2.28	1.2	
Toronto D.C. and 60 cycle†.....			12,590.29	429,990	236		152	4.45	2.9	
Welland.....	Nia.	11,568	60,349.10	4,209,133	2,815		125	1.79	1.4	
Windsor.....	Nia.	103,571	709,174.98	51,804,748	24,711		175	2.39	1.4	
Woodstock.....	Nia.	12,325	79,710.74	7,215,508	3,313		181	2.00	1.4	

†This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

**GROUP II—TOWN**

Amherstburg.....	Nia.	2,704	22,677.54	1,734,623	689	210	2.74	1.1	
Arnprior.....	E.O.	4,019	17,554.25	906,343	798	94	1.83	1.1	
Aylmer.....	Nia.	1,985	11,933.23	839,090	723	97	1.38	1.1	
Barrie.....	G.B.	10,095	78,652.07	6,624,748	2,259	244	2.90	1.1	
Bowmanville.....	E.O.	3,850	30,816.32	2,080,844	1,193	145	2.15	1.1	
Brampton.....	Nia.	5,702	43,373.21	3,620,778	1,563	193	2.31	1.1	
Brockville.....	E.O.	9,996	58,231.06	5,215,209	2,959	147	1.64	1.1	
Carleton Place.....	E.O.	4,143	21,075.45	1,431,158	1,056	113	1.66	1.1	
Cobourg.....	E.O.	5,062	37,699.45	2,348,088	1,422	138	2.21	1.1	
Collingwood.....	G.B.	5,636	31,634.38	1,989,863	1,463	113	1.80	1.1	
Delhi.....	Nia.	2,430	11,393.69	565,303	581	81	1.63	2.1	
Dundas.....	Nia.	5,001	24,462.48	1,554,780	1,269	102	1.61	1.1	
Dunnville.....	Nia.	3,916	15,587.53	908,510	998	76	1.30	1.1	
Elmira.....	Nia.	2,068	15,914.23	1,055,671	542	162	2.45	1.1	
Fergus.....	Nia.	2,759	20,592.39	1,135,660	753	125	2.28	1.1	



"D"

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941  
Population, 10,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c	cents	\$ c			
57,915.07	4,955,366	692	597	6.97	1.2	48,249.49	100	2,761.5	4,242
82,418.20	8,818,099	1,227	599	5.60	0.9	261,410.93	200	14,407.7	9,481
100,022.01	6,706,935	804	695	10.37	1.5	97,472.70	103	4,377.0	5,247
95,430.77	7,268,540	1,054	575	7.55	1.3	84,958.15	125	4,773.3	7,880
53,766.31	3,806,014	500	635	8.96	1.4	152,533.04	112	7,597.4	4,690
60,175.80	5,278,439	793	555	6.32	1.1	143,392.57	134	8,471.0	6,477
518,706.93	47,551,148	5,314	746	8.13	1.1	2,607,804.36	1,295	132,209.9	47,419
118,787.81	9,840,227	1,019	805	9.71	1.2	146,239.28	185	7,646.7	8,205
147,522.32	10,275,370	1,111	771	10.65	1.4	403,283.90	263	19,004.6	9,655
238,446.77	19,958,837	2,015	825	9.87	1.2	501,351.68	453	26,813.0	21,039
74,541.74	6,989,080	777	750	7.99	1.1	101,137.29	109	5,715.8	5,704
69,292.34	3,330,198	665	417	8.68	2.1	47,664.78	84	1,868.1	4,103
83,052.40	4,201,655	689	508	10.05	2.0	324,187.63	113	14,049.1	7,326
258,129.99	18,018,084	1,457	1,031	14.76	1.4	87,729.37	204	5,365.2	16,583
50,135.54	3,592,915	554	540	7.54	1.4	56,594.72	110	3,256.7	4,145
99,691.58	6,039,893	914	551	9.09	1.7	164,054.91	163	8,241.7	7,320
82,647.64	7,549,875	854	737	8.06	1.1	743,185.85	112	44,053.1	6,440
103,578.30	9,187,463	1,042	735	8.28	1.1	336,935.15	216	18,516.8	8,942
61,218.66	5,519,126	603	763	8.46	1.1	68,622.62	86	4,229.0	5,213
57,840.83	4,349,350	645	562	7.47	1.3	194,698.54	84	8,177.0	5,556
58,541.46	3,606,595	586	513	8.33	1.6	69,601.60	117	3,475.0	5,146
143,113.80	6,015,414	1,051	477	11.35	2.4	53,089.78	102	2,005.7	8,864
2,961,663.75	199,385,328	24,022	692	10.27	1.5	*4,634,031.22	4,280	196,867.0	178,872
47,686.45	1,244,910	340	305	11.69	3.8	281,069.95	754	10,996.0	1,330
41,264.47	3,071,449	437	586	7.87	1.3	239,929.87	92	11,066.9	3,344
416,301.38	29,027,333	3,227	750	10.75	1.4	691,162.38	482	32,157.9	28,420
47,389.13	3,759,298	470	667	8.40	1.3	94,103.62	96	5,509.0	3,879

NOTE—The above group of 26 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

\*Does not include street railway power.

#### of Population, 2,000 or more

8,800.82	537,280	130	344	5.64	1.6	6,077.62	15	275.3	834
10,251.73	361,100	150	200	5.69	2.8	17,895.13	20	810.2	968
10,483.80	706,960	157	375	5.56	1.5	5,677.70	13	337.8	893
49,284.93	3,246,324	431	628	9.53	1.5	25,055.91	52	1,293.4	2,742
10,850.44	570,416	155	306	5.83	1.9	62,343.54	26	2,435.3	1,374
20,406.45	1,255,149	259	404	6.57	1.6	24,110.04	53	1,433.2	1,875
27,511.21	2,389,663	412	483	5.56	1.2	49,692.01	76	2,880.2	3,447
9,489.40	464,696	187	207	4.23	2.0	28,064.26	18	1,416.9	1,261
20,765.36	1,078,106	234	384	7.40	1.9	27,150.37	49	1,390.4	1,705
16,029.84	883,891	208	354	6.42	1.8	32,023.20	50	1,854.8	1,721
10,730.96	461,249	146	263	6.12	2.3	7,290.15	6	269.9	733
13,587.01	899,670	190	395	5.96	1.5	32,927.36	37	2,030.0	1,496
16,797.22	1,084,351	223	405	6.28	1.5	17,401.31	28	1,038.0	1,249
8,909.11	420,261	121	289	6.14	2.1	7,169.67	20	364.2	683
9,413.50	451,230	109	344	7.19	2.1	22,084.58	12	874.6	874



**STATEMENT**  
**Statistics Relating to the Supply of Electrical Energy to Consumers**  
**For Domestic Service, for Commercial Light Service**  
**Group II—TOWNS**

Municipality	System	Popula- tion	Domestic service							
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.		
			\$	c.	kw-hr.		kw-hr.	\$	c.	cents
Forest Hill . . . . .	Nia.	12,172	206,124	88	15,767,810	3,315	396	5.18		1.3
Georgetown . . . . .	Nia.	2,452	20,180	43	1,375,289	783	146	2.15		1.5
Goderich . . . . .	Nia.	4,674	33,856	82	2,143,322	1,303	137	2.17		1.6
Gravenhurst . . . . .	G.B.	2,261	10,616	56	888,216	576	129	1.54		1.2
Hanover . . . . .	G.B.	3,190	21,162	83	1,292,445	803	134	2.19		1.6
Hespeler . . . . .	Nia.	3,037	17,381	11	1,091,739	808	113	1.79		1.6
Humberstone . . . . .	Nia.	2,831	10,597	65	557,090	712	65	1.24		1.9
Huntsville . . . . .	G.B.	2,943	13,682	90	1,207,965	705	143	1.62		1.1
Ingersoll . . . . .	Nia.	5,756	32,631	00	2,524,310	1,505	140	1.81		1.3
Kincardine . . . . .	G.B.	2,483	16,047	00	673,695	715	79	1.87		2.4
Kingsville . . . . .	Nia.	2,453	14,601	74	930,206	630	123	1.93		1.6
Leamington . . . . .	Nia.	6,048	27,362	01	1,920,736	1,599	100	1.43		1.4
Lindsay . . . . .	E.O.	7,241	46,064	53	3,366,983	2,080	135	1.85		1.4
Listowel . . . . .	Nia.	2,984	18,003	67	1,250,651	785	133	1.91		1.4
Long Branch . . . . .	Nia.	5,147	31,600	12	2,122,464	1,501	118	1.75		1.5
Meaford . . . . .	G.B.	2,759	14,133	55	716,002	731	82	1.61		2.0
Merriton . . . . .	Nia.	2,916	15,133	73	1,084,154	846	107	1.49		1.4
Midland . . . . .	G.B.	6,627	36,432	98	2,492,599	1,600	130	1.90		1.5
Mimico . . . . .	Nia.	7,194	60,948	58	4,766,755	2,053	193	2.47		1.3
Napanee . . . . .	E.O.	3,241	25,156	43	1,677,008	852	164	2.46		1.5
New Toronto . . . . .	Nia.	7,514	40,823	27	3,097,165	1,908	135	1.78		1.3
Orangeville . . . . .	G.B.	2,558	16,152	42	926,585	752	103	1.78		1.7
Paris . . . . .	Nia.	4,427	25,047	60	2,040,839	1,173	145	1.78		1.2
Penetanguishene . . . . .	G.B.	4,177	12,823	08	643,766	702	76	1.52		2.0
Perth . . . . .	E.O.	4,197	25,753	93	1,904,541	1,045	152	2.05		1.4
Petrolia . . . . .	Nia.	2,768	13,088	80	719,251	798	75	1.37		1.8
Pictou . . . . .	E.O.	3,400	24,286	85	1,565,025	1,082	121	1.87		1.6
Port Colborne . . . . .	Nia.	6,772	31,583	28	1,656,870	1,596	87	1.65		1.9
Port Hope . . . . .	E.O.	4,997	30,500	40	2,387,757	1,406	142	1.81		1.3
Prescott . . . . .	E.O.	2,930	20,600	54	1,607,629	738	182	2.33		1.3
Preston . . . . .	Nia.	6,337	34,775	76	2,656,695	1,557	142	1.86		1.3
Riverside . . . . .	Nia.	5,235	40,070	36	2,057,273	1,433	120	2.33		1.9
St. Marys . . . . .	Nia.	4,009	27,901	55	1,942,890	1,035	156	2.25		1.4
Simcoe . . . . .	Nia.	6,340	27,230	88	1,906,186	1,613	98	1.41		1.4
Smiths Falls . . . . .	E.O.	7,741	46,841	54	3,813,187	1,923	165	2.03		1.2
Strathroy . . . . .	Nia.	2,969	21,491	71	1,813,227	820	184	2.18		1.2
Swansea . . . . .	Nia.	6,606	78,977	41	5,550,506	2,036	227	3.23		1.4
Tecumseh . . . . .	Nia.	2,331	14,511	74	542,160	640	71	1.89		2.7
Thorold . . . . .	Nia.	5,080	20,895	35	1,552,065	1,227	105	1.42		1.3
Tillsonburg . . . . .	Nia.	4,602	19,279	35	1,281,575	1,200	89	1.34		1.5
Trenton . . . . .	E.O.	7,636	42,939	17	2,283,123	1,682	113	2.13		1.9
Walkerton . . . . .	G.B.	2,534	17,990	71	1,061,140	650	136	2.31		1.7
Wallaceburg . . . . .	Nia.	4,802	21,480	65	1,235,418	1,246	83	1.44		1.7
Waterloo . . . . .	Nia.	8,690	68,795	44	7,128,180	2,180	272	2.63		1.0
Weston . . . . .	Nia.	5,289	53,448	02	5,542,723	1,538	300	2.90		1.0
Whitby . . . . .	E.O.	4,236	28,409	62	2,042,292	966	176	2.45		1.4
Wingham . . . . .	G.B.	2,114	13,162	91	728,340	577	105	1.90		1.8

**"D"—Continued**

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941  
population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
29,088.15	1,824,284	238	638	10.18	1.6	3,245.49	24	150.5	3,577
8,915.29	559,211	134	348	5.54	1.6	33,462.15	28	1,497.6	945
17,779.18	820,962	247	276	6.00	2.2	17,356.74	20	802.4	1,570
12,894.16	1,149,647	118	812	9.11	1.1	15,249.58	15	771.8	709
9,093.50	451,283	136	276	5.57	2.0	20,897.26	24	946.5	963
5,442.65	334,923	97	288	4.68	1.6	55,728.38	28	2,407.0	933
3,711.77	263,710	73	301	4.24	1.4	4,676.56	8	235.3	793
12,025.74	835,435	139	501	7.21	1.4	15,668.90	16	1,002.6	860
17,234.14	1,246,660	223	466	6.44	1.4	41,329.83	47	2,150.6	1,775
8,855.66	223,474	118	158	6.25	4.0	12,385.73	17	513.7	850
8,754.58	492,014	157	261	4.65	1.8	6,145.23	20	334.7	807
19,333.05	1,364,425	276	412	5.84	1.4	19,488.75	36	1,044.8	1,911
30,261.50	1,606,199	341	393	7.40	1.9	54,868.45	71	2,474.8	2,492
12,973.85	748,105	157	397	6.89	1.7	18,533.11	24	940.2	966
7,015.06	449,290	99	378	5.90	1.5	2,781.45	7	129.7	1,607
9,130.80	445,744	146	254	5.21	2.0	8,394.92	16	481.3	893
3,710.32	254,465	69	307	4.48	1.5	173,303.32	18	8,080.5	933
18,891.19	1,141,393	210	453	7.50	1.7	66,303.10	46	4,068.6	1,856
11,440.43	746,755	172	362	5.54	1.5	13,663.98	20	565.0	2,245
17,003.50	853,067	198	359	7.16	2.0	9,772.29	25	539.2	1,075
20,813.91	1,618,726	223	605	7.78	1.3	260,165.29	35	11,236.0	2,166
10,505.12	585,646	148	329	5.91	1.8	7,324.12	26	412.0	926
8,699.22	675,713	192	293	3.78	1.3	22,461.21	25	1,316.7	1,390
8,678.41	411,049	111	309	6.52	2.1	20,384.97	23	830.8	836
16,036.88	945,547	198	398	6.75	1.7	16,755.12	27	947.8	1,270
9,103.59	445,141	183	203	4.15	2.0	25,349.80	59	1,016.2	1,040
16,400.67	996,894	205	405	6.67	1.6	5,794.13	36	377.9	1,323
18,603.48	1,230,990	264	389	5.87	1.5	28,875.16	25	1,368.0	1,885
14,531.07	801,140	217	308	5.60	1.8	31,890.43	37	1,655.2	1,660
12,563.56	724,643	160	377	6.54	1.7	6,803.64	21	413.4	919
22,553.70	1,457,953	231	526	8.13	1.5	56,664.11	44	3,059.5	1,832
6,052.33	321,309	57	470	8.85	1.9	5,991.45	12	234.5	1,502
10,880.96	548,300	170	269	5.33	2.0	25,292.46	41	1,059.4	1,246
31,856.59	2,532,642	383	551	6.93	1.3	29,245.30	44	1,485.7	2,040
16,620.71	1,138,814	283	335	4.89	1.5	21,578.02	41	1,174.8	2,247
12,372.36	759,295	165	383	6.25	1.6	11,898.83	30	793.4	1,015
10,529.01	634,218	98	539	8.95	1.7	23,093.74	16	988.8	2,150
5,638.93	256,840	54	396	8.70	2.2	2,732.31	3	125.4	697
8,586.53	783,096	164	398	4.36	1.1	41,157.91	16	1,978.3	1,407
18,609.85	1,259,473	238	441	6.52	1.5	13,707.76	35	790.7	1,473
26,263.65	1,339,570	265	421	8.26	2.0	76,404.15	56	3,496.1	2,003
11,200.15	551,682	142	323	6.57	2.0	9,993.29	20	371.4	812
15,325.23	963,844	250	321	5.11	1.6	68,674.94	42	2,798.6	1,538
28,299.84	2,157,542	259	694	9.11	1.3	48,394.03	73	2,621.4	2,512
13,442.57	1,106,423	182	507	6.16	1.2	60,872.82	30	2,942.2	1,750
14,230.23	822,709	167	411	7.13	1.7	16,932.23	25	738.6	1,158
8,712.77	392,944	142	231	5.11	2.2	10,343.27	22	454.5	741



## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Acton.....	Nia.	1,903	12,429.84	929,351	535	145	1.94	1.3
Agincourt.....	Nia.	P.V.	5,473.22	363,862	161	188	2.83	1.5
Ailsa Craig.....	Nia.	487	2,653.63	148,130	152	81	1.45	1.8
Alexandria.....	E.O.	1,976	7,326.19	203,455	388	44	1.57	3.6
Alliston.....	G.B.	1,715	11,981.76	545,500	373	122	2.68	2.2
Alvinston.....	Nia.	693	4,112.67	95,294	190	42	1.80	4.0
Ancaster Twp.....	Nia.	.....	12,234.70	736,034	358	171	2.85	1.7
Apple Hill.....	E.O.	P.V.	1,389.81	30,888	63	41	1.84	4.5
Arkona.....	Nia.	403	3,155.99	82,415	111	62	2.37	3.8
Arthur.....	G.B.	1,089	5,530.88	145,087	228	53	2.02	3.8
Athens.....	E.O.	626	3,154.90	63,340	183	29	1.44	5.0
Ayr.....	Nia.	760	5,826.94	320,150	237	109	1.98	1.8
Baden.....	Nia	P.V.	3,714.56	290,139	156	155	1.98	1.3
Bath.....	E.O.	325	2,033.39	53,814	55	82	3.16	3.9
Beachville.....	Nia.	P.V.	3,716.10	209,649	186	94	1.66	1.8
Beamsville.....	Nia.	1,227	10,790.74	826,075	377	183	2.39	1.3
Beaverton.....	G.B.	925	6,585.35	368,321	331	93	1.66	1.8
Beeton.....	G.B.	583	3,531.63	91,090	138	55	2.13	3.9
Belle River.....	Nia.	836	4,780.77	184,510	264	58	1.51	2.6
Blenheim.....	Nia.	1,873	9,473.95	557,189	557	83	1.42	1.7
Bloomfield.....	E.O.	636	3,270.63	137,607	170	67	1.60	2.4
Blyth.....	Nia.	662	3,809.78	141,334	183	64	1.73	2.7
Bolton.....	Nia.	629	4,402.20	253,808	185	114	1.98	1.7
Bothwell.....	Nia.	665	2,839.61	164,680	186	74	1.27	1.7
Bradford.....	G.B.	1,041	6,428.60	222,206	238	78	2.25	2.9
Brantford Twp.....	Nia.	.....	25,668.83	1,675,477	1,138	123	1.88	1.5
Brechin.....	G.B.	P.V.	1,525.57	39,445	58	57	2.19	3.9
Bridgeport.....	Nia.	P.V.	5,085.45	235,932	186	105	2.28	2.9
Brigden.....	Nia.	P.V.	2,333.44	78,869	121	54	1.61	3.9
Brighton.....	E.O.	1,462	10,546.78	349,054	555	52	1.58	3.9
Brussels.....	Nia.	784	4,705.72	172,263	247	58	1.59	2.9
Burford.....	Nia.	P.V.	4,919.93	348,094	206	141	1.99	1.9
Burgessville.....	Nia.	P.V.	1,716.80	58,910	57	86	2.51	2.9
Caledonia.....	Nia.	1,430	7,050.93	365,403	438	70	1.34	1.9
Campbellville.....	Nia.	P.V.	1,536.04	52,311	56	78	2.29	2.9
Cannington.....	G.B.	753	5,370.28	220,485	235	78	1.90	2.9
Capreol.....	N.O.P.	1,660	9,227.32	321,930	337	80	2.28	2.9
Cardinal.....	E.O.	1,602	7,815.43	491,325	382	107	1.70	1.9
Cayuga.....	Nia.	700	3,953.31	138,507	179	64	1.84	2.9
Chatsworth.....	G.B.	333	2,100.65	78,660	96	68	1.82	2.9



## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

## VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province, or from purchased power. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D", page 318.

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,488.67	354,261	92	321	4.97	1.5	28,332.64	17	1,163.8	644
1,328.71	65,766	26	211	4.26	2.0	984.36	3	65.3	190
1,305.34	52,082	35	124	3.11	2.5	1,101.11	4	45.2	191
4,834.93	130,600	103	106	3.91	3.7	3,799.18	15	105.0	506
8,389.60	310,135	109	237	6.41	2.7	3,274.91	15	188.2	497
2,009.70	60,961	52	98	3.22	3.3	518.94	2	17.5	244
3,239.94	170,415	42	338	6.43	1.9	1,190.92	6	63.9	406
960.20	33,906	24	118	3.33	2.8	440.92	2	24.3	89
1,747.05	40,698	35	97	4.16	4.3	138.97	1	2.7	147
5,035.13	125,365	87	120	4.87	4.1	1,319.92	8	94.1	323
1,678.61	55,020	56	82	2.50	3.1	882.81	1	32.9	240
1,960.71	98,220	43	190	3.80	2.0	696.49	5	34.6	285
2,117.30	116,047	34	284	5.19	1.8	6,409.83	3	264.5	193
761.01	17,410	14	104	4.53	4.4	.....	.....	.....	69
664.19	28,291	22	107	2.52	2.3	15,045.62	4	600.9	212
5,363.26	232,975	73	266	6.12	2.3	2,000.07	4	102.0	454
2,804.86	163,453	66	206	3.54	1.7	1,020.77	9	50.9	406
2,264.32	53,530	34	131	5.55	4.2	2,121.68	6	89.3	178
2,767.08	128,965	45	239	5.12	2.1	1,640.07	2	46.8	311
8,970.80	552,979	139	332	5.38	1.6	5,248.66	14	240.0	710
2,212.19	85,061	43	165	4.29	2.6	1,138.57	7	41.6	220
2,233.23	81,594	49	139	3.80	2.7	693.91	4	41.4	236
1,952.53	80,089	41	163	3.97	2.4	2,480.07	10	111.6	236
1,982.76	117,908	55	179	3.00	1.7	951.81	7	86.7	248
4,548.12	130,017	68	159	5.57	3.5	3,301.11	10	150.4	316
4,119.66	252,902	46	458	7.46	1.6	6,365.57	7	348.0	1,191
649.25	22,477	18	104	3.01	2.9	830.72	4	36.5	80
1,064.32	43,809	21	174	4.22	2.4	175.76	2	6.7	209
2,063.00	69,753	39	149	4.41	3.0	596.59	4	20.7	164
4,732.16	199,163	97	171	4.07	2.4	3,845.65	10	178.0	662
3,028.94	102,941	70	123	3.61	2.9	914.07	4	33.0	321
1,615.50	94,352	40	197	3.37	1.7	1,015.54	2	53.7	248
786.67	25,069	17	123	3.86	3.1	210.47	2	14.3	76
5,586.15	348,854	100	291	4.66	1.6	1,888.27	8	87.0	546
848.91	20,572	10	171	7.07	4.1	.....	.....	.....	66
2,391.20	82,589	62	111	3.21	2.9	1,938.55	10	101.4	307
3,687.25	151,683	50	253	6.15	2.4	721.78	1	25.0	388
2,419.34	120,156	59	170	3.42	2.0	371.52	2	18.0	443
3,944.97	130,256	65	167	5.06	3.0	766.97	6	35.4	250
1,304.19	51,883	34	127	3.20	2.5	.....	.....	.....	120

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Chesley .....	G.B.	1,812	9,712.98	587,010	439	111	1.84	1.7
Chester ville .....	E.O.	1,094	5,002.39	360,680	248	121	1.68	1.4
Chippawa .....	Nia.	1,228	8,366.81	654,180	341	160	2.05	1.3
Clifford .....	Nia.	491	2,735.04	109,999	128	72	1.78	2.5
Clinton .....	Nia.	1,879	13,874.73	881,483	564	130	2.05	1.6
Cobden .....	E.O.	643	2,340.27	87,768	135	54	1.44	2.7
Colborne .....	E.O.	960	5,961.27	273,798	273	84	1.82	2.2
Coldwater .....	G.B.	606	3,592.33	183,755	162	95	1.85	2.0
Comber .....	P.V.	P.V.	2,204.96	83,485	115	60	1.60	2.6
Cookstown .....	G.B.	P.V.	2,370.88	61,659	113	45	1.75	3.8
Cottam .....	Nia.	P.V.	2,560.33	93,651	121	64	1.76	2.7
Courtright .....	Nia.	355	1,416.97	39,510	82	40	1.44	3.6
Creemore .....	G.B.	661	3,633.71	133,905	167	67	1.81	2.7
Dashwood .....	P.V.	P.V.	2,035.51	73,348	94	65	1.81	2.8
Delaware .....	Nia.	P.V.	2,117.62	130,108	66	164	2.67	1.6
Deseronto .....	E.O.	1,002	5,998.11	209,189	338	52	1.48	2.9
Dorchester .....	Nia.	P.V.	2,757.63	147,536	154	80	1.50	1.9
Drayton .....	Nia.	521	3,454.31	129,280	165	65	1.75	2.7
Dresden .....	Nia.	1,525	7,020.08	351,381	445	66	1.31	2.0
Drumbo .....	Nia.	P.V.	2,483.51	121,094	92	110	2.25	2.1
Dublin .....	Nia.	P.V.	1,183.20	41,225	58	59	1.70	2.9
Dundalk .....	G.B.	686	3,491.92	163,380	198	71	1.49	2.1
Durham .....	G.B.	1,874	7,262.60	421,905	464	76	1.30	1.7
Dutton .....	Nia.	784	3,232.58	205,810	228	75	1.18	1.6
East York Twp. ....	Nia.	.....	222,153.55	14,781,111	10,637	116	1.74	1.5
Elmvale .....	G.B.	P.V.	3,909.94	184,030	199	77	1.64	2.1
Elmwood .....	G.B.	P.V.	1,132.13	32,739	66	41	1.43	3.5
Elora .....	Nia.	1,185	8,212.28	432,240	351	102	1.94	1.9
Embro .....	Nia.	460	3,350.55	187,463	118	132	2.37	1.8
Erieau .....	Nia.	281	4,064.76	140,783	191	61	1.77	2.9
Erie Beach .....	Nia.	21	1,719.77	34,559	83	35	1.73	5.0
Essex .....	Nia.	1,886	8,410.74	485,950	515	79	1.36	1.7
Etobicoke Twp. ....	Nia.	.....	175,352.29	14,859,491	5,169	240	2.83	1.2
Exeter .....	Nia.	1,654	12,465.82	885,247	498	148	2.09	1.4
Finch .....	E.O.	396	2,318.15	128,976	96	112	2.01	1.8
Flesherton .....	G.B.	452	2,044.72	83,781	129	54	1.32	2.4
Fonthill .....	Nia.	860	5,306.52	254,735	272	78	1.63	2.1
Forest .....	Nia.	1,562	12,954.45	745,170	480	129	2.25	1.7
Glencoe .....	Nia.	827	5,280.46	196,363	222	74	1.98	2.7
Grand Valley .....	G.B.	645	3,616.84	101,300	177	47	1.70	3.0

## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
6,078.54	328,300	101	271	5.02	1.9	7,400.52	22	411.0	562
3,894.35	173,839	74	196	4.39	2.2	2,125.50	3	95.8	325
3,211.43	215,806	54	333	4.96	1.5	1,218.54	2	42.7	397
2,037.02	81,584	38	179	4.47	2.5	546.25	1	18.0	167
8,326.85	431,050	136	264	5.10	1.9	5,847.97	16	269.0	716
2,429.30	65,039	47	115	4.31	3.7	376.12	1	12.6	183
3,222.81	154,651	75	172	3.58	2.1	868.60	5	44.0	353
1,303.40	54,048	50	90	2.17	2.4	692.97	2	28.5	214
1,953.92	63,570	46	124	3.54	2.8	2,003.46	4	77.2	165
1,565.12	36,454	32	95	4.08	4.3	1,225.53	3	60.3	148
1,601.37	85,573	29	246	4.60	1.9	192.24	1	15.0	151
804.65	26,525	22	100	3.05	3.0	974.71	1	12.5	105
1,622.32	74,248	54	115	2.51	2.2	1,041.19	3	70.2	224
1,147.11	33,790	26	108	3.68	3.4	1,176.24	3	47.5	123
734.64	26,006	15	144	4.08	2.8				81
2,323.60	72,117	59	102	3.28	3.2	1,802.17	5	65.3	402
1,013.28	44,003	29	126	2.91	2.3	584.30	2	36.7	185
2,030.74	76,660	67	95	2.59	2.7	1,209.58	5	57.5	237
6,401.76	372,250	129	240	4.14	1.7	3,966.71	11	245.0	585
1,056.12	46,160	28	137	3.14	2.3	703.25	1	28.5	121
731.56	19,713	21	78	2.90	3.7	1,499.39	2	59.4	81
3,258.82	118,194	73	135	3.72	2.8	3,126.56	5	155.9	276
5,331.90	269,199	104	216	4.27	2.0	4,663.21	13	225.1	581
2,470.90	124,795	63	165	3.27	2.0	3,463.59	10	194.2	301
31,861.81	1,963,982	491	334	5.41	1.6	47,076.78	47	2,001.3	11,175
1,669.30	79,244	44	150	3.16	2.1	3,429.90	9	153.7	252
697.28	22,635	20	94	2.91	3.1	1,220.42	1	41.1	87
4,620.91	206,633	72	233	5.35	2.2	4,329.97	3	221.6	426
1,298.38	39,092	37	88	2.92	3.3	78.89	1	5.0	156
1,540.88	59,445	15	330	8.56	2.6	480.99	2	20.3	208
291.10	9,877	3	274	8.09	2.9				86
8,269.01	542,965	129	351	5.34	1.5	9,135.06	21	518.7	665
35,327.15	2,430,001	232	718	10.44	1.5	33,176.78	41	1,488.5	5,492
7,176.61	344,616	122	235	4.90	2.1	3,767.76	14	244.1	634
1,669.72	61,332	34	150	4.09	2.7	437.21	1	12.0	131
1,704.62	61,453	48	106	2.95	2.8	712.02	2	33.7	179
1,851.70	85,365	36	198	4.29	2.2	530.97	3	19.2	311
7,483.39	314,416	130	202	4.80	2.4	5,359.63	20	241.8	630
4,156.67	161,817	81	166	4.23	2.6	3,278.98	9	122.8	312
2,292.44	63,135	52	101	3.67	3.6	1,764.89	4	76.0	233



## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c	cents
Granton.....	Nia.	P.V.	2,188.79	124,269	86	120	2.12	1.8
Hagersville.....	Nia.	1,347	6,718.26	379,668	391	81	1.43	1.8
Harriston.....	Nia.	1,292	7,418.57	425,501	385	92	1.61	1.7
Harrow.....	Nia.	1,092	10,580.79	775,266	325	199	2.71	1.4
Hastings.....	E.O.	823	3,855.15	130,665	227	48	1.42	3.0
Havelock.....	E.O.	1,103	4,722.09	170,537	291	49	1.35	2.8
Hensall.....	Nia.	686	4,627.18	212,030	217	81	1.78	2.2
Highgate.....	Nia.	324	1,690.82	65,410	102	53	1.38	2.6
Holstein.....	G.B.	P.V.	1,038.07	19,654	51	32	1.70	5.3
Iroquois.....	E.O.	1,123	5,874.57	264,904	276	80	1.77	2.2
Jarvis.....	Nia.	513	2,933.52	114,611	150	64	1.63	2.6
Kemptville.....	E.O.	1,230	7,183.31	361,890	347	87	1.73	2.0
Kirkfield.....	G.B.	P.V.	924.78	17,368	37	39	2.08	5.3
Lakefield.....	E.O.	1,301	6,331.04	278,435	343	68	1.54	2.3
Lambeth.....	Nia.	P.V.	3,350.37	240,432	134	150	2.08	1.4
Lanark.....	E.O.	686	2,903.72	101,470	166	51	1.46	2.9
Lancaster.....	E.O.	570	2,061.49	56,300	103	46	1.67	3.7
La Salle.....	Nia.	907	7,566.64	435,327	243	149	2.59	1.7
London Twp.....	Nia.	.....	14,149.52	1,157,037	455	212	2.59	1.2
Lucan.....	Nia.	643	4,684.17	314,701	177	148	2.21	1.5
Lucknow.....	G.B.	977	5,838.72	199,222	261	64	1.81	2.9
Lynden.....	Nia.	P.V.	2,586.66	135,406	101	112	2.13	1.9
Madoc.....	E.O.	1,130	4,946.94	208,324	301	58	1.35	2.4
Markdale.....	G.B.	776	3,784.00	197,250	231	71	1.36	1.9
Markham.....	Nia.	1,197	7,947.95	492,041	334	123	1.98	1.6
Marmora.....	E.O.	1,004	4,358.34	139,650	243	48	1.49	3.1
Martintown.....	E.O.	P.V.	703.29	27,364	47	49	1.25	2.6
Maxville.....	E.O.	811	3,218.99	106,401	158	56	1.70	3.0
Merlin.....	Nia.	P.V.	2,587.08	92,887	124	62	1.74	2.8
Mildmay.....	G.B.	764	3,712.95	200,361	171	98	1.81	1.9
Millbrook.....	E.O.	749	4,336.73	92,826	170	46	2.13	4.1
Milton.....	Nia.	1,915	12,993.02	770,253	530	121	2.04	1.1
Milverton.....	Nia.	994	5,130.07	422,850	256	138	1.67	1.1
Mitchell.....	Nia.	1,670	13,017.73	913,052	508	150	2.14	1.1
Moorefield.....	Nia.	P.V.	992.95	25,860	55	39	1.50	3.1
Morrisburg.....	E.O.	1,484	9,094.25	517,131	426	101	1.78	1.1
Mt. Brydges.....	Nia.	P.V.	2,958.98	139,004	150	72	1.64	2.1
Mt. Forest.....	G.B.	1,936	9,686.12	469,460	468	84	1.72	2.1
Neustadt.....	G.B.	431	2,019.50	32,207	98	27	1.72	6.1
Newbury.....	Nia.	280	1,260.35	29,605	70	35	1.50	4.1

## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
1,056.66	39,674	28	118	3.14	2.5				114
6,157.40	361,645	120	251	4.28	1.7	17,150.78	13	849.2	524
5,230.73	245,615	103	198	4.23	2.1	6,365.50	12	279.3	500
5,287.77	238,526	82	242	5.37	2.2	3,738.11	7	178.7	414
2,278.04	63,997	52	103	3.65	3.6	185.64	3	15.2	282
2,668.06	70,533	57	103	3.90	3.8	1,912.14	2	68.8	350
2,226.51	74,830	59	106	3.14	3.0	3,077.32	14	148.5	290
832.18	28,180	36	65	1.93	3.0	1,194.65	6	61.8	144
738.70	20,397	22	77	2.71	3.6	261.47	2	17.5	75
3,865.55	175,759	76	193	4.24	2.2	2,001.19	5	91.4	357
2,186.23	105,191	45	195	4.05	2.1	3,420.19	3	131.3	198
5,051.48	230,455	85	225	4.95	2.2	4,458.48	5	181.8	437
1,041.30	25,299	14	151	6.20	4.1				51
4,444.43	183,752	70	218	5.29	2.4	4,497.88	6	206.2	419
1,331.27	61,299	23	222	4.82	2.2	513.96	3	50.7	160
1,616.65	60,527	40	126	3.36	2.7				206
1,263.34	41,560	30	115	3.51	3.0				133
1,546.44	59,431	14	354	9.21	2.6	283.20	2	10.5	259
2,082.82	134,306	20	560	8.68	1.6	1,806.92	5	85.2	480
2,433.41	98,067	51	160	3.98	2.5	1,370.24	6	66.9	234
4,505.05	104,746	85	102	4.42	4.3	7,041.30	6	181.3	352
759.23	27,188	17	133	3.72	2.8	834.73	2	44.2	120
4,072.29	159,142	86	154	3.95	2.6	1,368.56	4	73.3	391
2,869.43	204,826	75	228	3.19	1.4	2,441.17	9	140.4	315
3,312.51	163,114	72	189	3.83	2.0	3,248.33	9	153.2	415
2,269.53	96,657	46	175	4.11	2.3	238.80	2	24.3	291
914.03	33,258	25	111	3.05	2.7				72
2,719.87	72,798	53	114	4.28	3.7				211
2,292.78	88,511	50	148	3.82	2.6	802.40	2	26.5	176
2,677.79	99,690	54	154	4.13	2.7	952.51	3	28.2	228
2,132.63	38,085	60	53	2.96	5.6	740.50	3	16.0	233
6,949.90	354,185	103	287	5.62	2.0	26,073.79	16	1,106.1	649
4,272.81	178,177	75	198	4.75	2.4	3,694.75	10	250.4	341
6,343.69	355,560	125	237	4.23	1.8	5,880.52	22	307.4	655
1,333.89	49,398	30	137	3.71	2.5	42.79	1	3.0	86
6,927.91	276,728	108	214	5.35	2.5	2,812.54	13	187.7	547
1,142.21	55,847	35	133	2.72	2.0	967.61	5	46.1	190
9,032.42	434,152	143	253	5.26	2.1	6,066.46	15	262.2	626
1,058.12	24,875	28	74	3.14	4.3	358.15	1	9.2	127
585.78	14,915	19	65	2.57	3.9	306.07	1	14.1	90

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c	kw-hr.		kw-hr.	\$ c.	cents
Newcastle.....	E.O.	701	5,233.92	204,516	216	79	2.02	2.6
New Hamburg.....	Nia.	1,441	10,559.05	643,148	372	144	2.37	1.6
Niagara-on-the-Lake.....	Nia.	1,764	16,501.12	1,483,569	579	214	2.37	1.1
Nipigon Twp.....	T.B.	.....	4,185.32	216,631	220	82	1.59	1.9
North York Twp.....	Nia.	.....	208,705.29	12,051,197	5,907	170	2.94	1.7
Norwich.....	Nia.	1,301	8,724.30	631,422	369	143	1.97	1.4
Norwood.....	E.O.	710	4,967.60	226,170	235	81	1.76	2.2
Oil Springs.....	Nia.	541	1,846.51	103,255	102	84	1.51	1.8
Omeme.....	E.O.	630	3,207.76	130,953	169	65	1.58	2.4
Orono.....	E.O.	P.V.	4,404.89	147,340	179	69	2.05	3.0
Otterville.....	Nia.	P.V.	2,473.13	119,597	142	70	1.45	3.1
Paisley.....	G.B.	730	4,178.03	120,645	203	50	1.72	3.5
Palmerston.....	Nia.	1,400	8,596.44	796,533	397	167	1.81	1.1
Parkhill.....	Nia.	1,029	6,039.98	262,130	300	73	1.68	2.3
Plattsville.....	Nia.	P.V.	2,645.74	111,066	114	81	1.93	2.4
Point Edward.....	Nia.	1,199	6,203.60	264,754	328	67	1.58	2.3
Port Credit.....	Nia.	1,635	17,844.86	1,597,490	594	224	2.50	1.1
Port Dalhousie.....	Nia.	1,599	18,873.34	1,555,659	662	196	2.38	1.2
Port Dover.....	Nia.	1,790	10,033.66	553,570	677	68	1.24	1.8
Port Elgin.....	G.B.	1,415	10,991.40	631,029	478	107	1.92	1.8
Port McNicoll.....	G.B.	964	4,258.49	144,525	233	52	1.52	2.9
Port Perry.....	G.B.	1,175	7,892.67	325,987	377	72	1.74	2.4
Port Rowan.....	Nia.	700	2,938.84	109,670	147	62	1.67	2.7
Port Stanley.....	Nia.	1,268	15,767.37	982,436	757	108	1.73	1.6
Priceville.....	G.B.	P.V.	769.48	11,529	36	27	1.78	6.7
Princeton.....	Nia.	P.V.	2,602.83	131,733	91	121	2.38	2.0
Queenston.....	Nia.	P.V.	3,558.13	272,427	84	270	3.53	1.3
Richmond.....	E.O.	428	2,309.82	95,405	81	98	2.38	2.4
Richmond Hill.....	Nia.	1,320	10,199.32	787,836	388	169	2.19	1.3
Ridgetown.....	Nia.	1,981	9,277.96	611,752	589	87	1.31	1.4
Ripley.....	G.B.	420	3,187.06	71,929	123	49	2.15	4.4
Rockwood.....	Nia.	P.V.	4,256.59	216,450	172	105	2.06	2.0
Rodney.....	Nia.	736	3,407.95	162,953	249	55	1.14	2.1
Rosseau.....	G.B.	305	2,951.30	54,424	64	71	3.84	5.4
Russell.....	E.O.	P.V.	2,812.87	112,477	115	82	2.04	2.5
St. Clair Beach.....	Nia.	138	2,622.98	107,500	89	101	2.45	2.4
St. George.....	Nia.	P.V.	3,202.31	151,244	150	84	1.78	2.1
St. Jacobs.....	Nia.	P.V.	3,988.45	294,250	136	180	2.44	1.4
Scarborough Twp.....	Nia.	.....	119,233.16	7,602,211	5,369	118	1.85	1.6
Seaforth.....	Nia.	1,782	11,148.23	685,783	506	113	1.84	1.6
Shelburne.....	G.B.	1,053	5,959.24	234,040	306	64	1.62	2.5
Sioux Lookout.....	N.O.P.	1,967	16,398.92	340,364	499	57	2.74	4.8
Southampton.....	G.B.	1,467	10,622.26	574,778	537	89	1.65	1.8
Springfield.....	Nia.	382	1,975.82	70,839	108	55	1.52	2.8
Stamford Twp.....	Nia.	.....	64,674.79	5,443,853	2,099	216	2.57	1.2



## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
2,663.37	98,939	38	217	5.84	2.7	3,302.91	3	106.7	257
4,981.03	227,999	94	202	4.42	2.2	7,190.99	15	366.3	481
10,938.23	747,536	112	556	8.14	1.5	2,078.91	11	93.8	702
3,799.93	224,910	54	347	5.86	1.7	739.80	4	51.8	278
37,091.77	1,802,371	418	359	7.39	2.1	70,238.49	44	2,092.0	6,369
4,671.27	232,950	91	213	4.28	2.0	1,868.41	8	124.3	468
2,335.64	63,040	55	96	3.54	3.7	530.35	3	29.1	293
1,486.78	61,069	33	154	3.75	2.4	6,016.89	34	182.3	169
1,164.20	41,969	32	109	3.03	2.8	3,774.88	6	154.7	207
2,123.87	56,343	37	127	4.78	3.8	51.21	1	3.0	217
2,121.47	94,945	48	165	3.68	2.2	508.36	4	28.3	194
2,655.08	88,848	51	145	4.33	3.0	1,034.49	4	37.6	258
5,405.06	274,051	103	222	4.37	2.0	6,539.21	14	389.9	514
3,550.43	124,927	70	149	4.23	2.8	1,541.99	5	51.7	375
1,388.70	80,667	25	269	4.63	1.7	1,942.70	2	67.5	141
2,412.03	97,742	45	181	4.47	2.5	42,290.86	9	1,613.6	382
7,721.87	497,739	91	455	7.07	1.6	4,845.59	10	191.5	695
4,128.31	273,976	69	331	4.99	1.5	5,803.68	13	324.0	744
5,277.86	302,395	107	236	4.11	1.7	4,607.88	15	228.2	799
6,291.97	274,927	103	222	5.09	2.3	4,146.89	6	219.3	587
744.33	24,500	19	107	3.26	3.0	51.28	1	1.4	253
3,304.27	104,714	78	112	3.53	3.2	2,638.18	11	118.5	466
2,066.72	94,070	39	201	4.42	2.2	117.56	3	5.2	189
4,868.94	224,125	104	179	3.90	2.2	3,611.91	9	191.5	870
328.51	3,917	10	33	2.70	8.4	76.46	1	1.7	47
1,059.82	45,042	21	179	4.21	2.4	1,744.91	3	69.8	115
2,000.38	88,081	16	459	10.42	2.3	.....	.....	.....	100
1,473.08	50,226	22	190	5.58	2.9	.....	.....	.....	103
4,404.90	266,380	73	304	5.03	1.7	2,381.21	14	133.1	475
8,116.45	453,323	140	270	4.83	1.8	5,614.78	20	331.9	749
1,616.15	33,815	48	59	2.81	4.8	1,430.74	1	55.8	172
850.72	41,230	27	127	2.63	2.1	192.91	2	9.8	201
2,509.52	107,989	74	122	2.83	2.3	1,946.82	6	103.2	329
985.42	19,557	13	125	6.32	5.0	.....	.....	.....	77
1,456.73	34,493	34	85	3.57	4.2	.....	.....	.....	149
2,581.63	91,120	7	1,085	30.73	2.8	283.70	1	10.0	97
1,569.14	74,401	35	177	3.74	2.1	2,389.60	1	87.0	186
1,754.81	78,750	29	226	5.04	2.2	4,568.22	7	204.2	172
26,611.07	1,369,325	369	309	6.01	1.9	33,293.52	37	1,313.2	5,775
6,393.09	402,900	102	329	5.22	1.6	5,005.12	17	280.7	625
3,897.63	164,930	82	168	3.96	2.4	3,235.93	15	205.9	403
12,605.02	255,552	101	211	10.40	4.9	1,365.84	2	32.5	602
5,022.06	211,367	94	187	4.45	2.4	8,482.79	14	327.6	645
843.63	27,058	33	68	2.13	3.1	891.65	3	40.8	144
15,225.36	1,129,257	166	567	7.64	1.3	17,292.49	19	970.1	2,284

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					Average monthly consumption Average monthly bill	Net cost per kw-hr.
			Revenue	Consumption	Number of con- sumers				
			\$ c.	kw-hr.		kw-hr.	\$ c.		cents
Stayner .....	G.B.	1,106	5,561.56	295,457	286	86	1.62		1.9
Stirling .....	E.O.	947	5,393.80	377,010	297	106	1.51		1.4
Stouffville .....	Nia.	1,198	6,941.01	392,418	380	86	1.52		1.8
Streetsville .....	Nia.	661	5,086.92	291,071	198	123	2.14		1.7
Sunderland .....	G.B.	P.V.	2,913.67	93,500	126	62	1.93		3.1
Sutton .....	Nia.	1,055	8,668.16	338,960	453	62	1.59		2.6
Tara .....	G.B.	510	3,527.47	105,047	155	56	1.90		3.4
Tavistock .....	Nia.	1,080	8,516.45	587,415	298	164	2.38		1.4
Teeswater .....	G.B.	873	5,241.87	162,048	230	58	1.90		3.2
Thamesford .....	Nia.	P.V.	3,480.19	221,835	134	138	2.16		1.6
Thamesville .....	Nia.	811	3,650.49	196,743	246	67	1.24		1.9
Thedford .....	Nia.	598	3,199.87	91,540	156	49	1.71		3.5
Thorndale .....	Nia.	P.V.	1,750.19	72,808	76	80	1.92		2.4
Thornton .....	G.B.	P.V.	1,623.85	29,077	68	36	1.99		5.6
Tilbury .....	Nia.	1,923	7,114.19	445,480	471	79	1.26		1.6
Toronto Twp. ....	Nia.	.....	74,877.18	4,388,092	2,653	138	2.35		1.7
Tottenham .....	G.B.	532	3,868.02	108,621	142	64	2.27		3.6
Trafalgar Twp. No. 1 ..	Nia.	.....	14,574.09	827,785	374	184	3.25		1.8
Trafalgar Twp. No. 2 ..	Nia.	.....	4,857.18	253,432	159	133	2.55		1.9
Tweed .....	E.O.	1,181	6,380.56	257,582	306	70	1.74		2.5
Uxbridge .....	G.B.	1,480	9,085.72	438,231	401	89	1.89		2.1
Victoria Harbour .....	G.B.	1,018	3,602.21	124,260	255	41	1.18		2.9
Wardswille .....	Nia.	248	1,574.56	44,898	62	60	2.12		3.5
Warkworth .....	E.O.	P.V.	2,224.95	66,465	133	42	1.39		3.3
Waterdown .....	Nia.	867	5,246.59	341,460	258	110	1.69		1.5
Waterford .....	Nia.	1,294	6,358.72	382,510	376	85	1.41		1.7
Watford .....	Nia.	1,023	8,183.17	421,330	299	117	2.28		1.9
Waubashene .....	G.B.	P.V.	3,358.50	142,156	225	53	1.24		2.4
Wellesley .....	Nia.	P.V.	2,453.71	104,100	140	62	1.46		2.4
Wellington .....	E.O.	948	6,325.62	299,755	342	73	1.54		2.1
West Lorne .....	Nia.	840	3,242.79	163,621	219	62	1.23		2.0
Westport .....	E.O.	725	3,711.80	101,220	138	61	2.24		3.7
Wheatley .....	Nia.	761	3,929.74	162,320	232	58	1.41		2.4
Wiarton .....	G.B.	1,750	7,676.87	303,330	417	61	1.53		2.5
Williamsburg .....	E.O.	P.V.	1,957.75	185,225	98	158	1.66		1.1
Winchester .....	E.O.	1,017	6,555.34	451,538	301	125	1.81		1.5
Windermere .....	G.B.	158	2,538.25	45,770	63	61	3.36		5.5
Woodbridge .....	Nia.	946	8,023.09	526,228	298	147	2.24		1.5
Woodville .....	G.B.	392	2,170.54	88,685	114	65	1.59		2.4
Wyoming .....	Nia.	538	2,509.44	89,463	159	47	1.32		2.8
York Township .....	Nia.	.....	546,273.00	32,112,552	20,908	128	2.18		1.7
Zurich .....	Nia.	P.V.	3,627.25	135,065	142	79	2.13		2.7

“D”—Concluded

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
3,784.12	179,469	92	163	3.43	2.1	2,314.69	16	176.0	394
3,596.40	159,342	72	184	4.16	2.3	1,566.81	12	85.0	381
4,039.18	186,875	87	179	3.87	2.2	934.19	5	58.9	472
1,841.51	73,636	50	123	3.07	2.5	4,257.24	6	158.7	254
1,528.37	44,751	36	104	3.54	3.1	284.35	2	11.5	164
4,050.24	140,100	77	152	4.38	2.9	1,055.04	3	37.8	533
1,446.55	51,923	33	131	3.65	2.8	1,301.43	5	48.5	193
4,019.93	193,357	96	168	3.49	2.1	9,422.90	9	404.2	403
2,954.34	79,722	55	121	4.47	3.7	1,200.47	3	87.7	288
1,551.76	87,838	40	183	3.23	1.8	1,702.95	6	89.1	180
3,282.07	208,386	77	226	3.55	1.6	1,900.66	7	87.9	330
2,595.76	69,840	49	119	4.41	3.7	912.02	2	29.2	207
791.32	24,241	23	88	2.87	3.3	1,114.98	2	38.0	101
479.21	13,863	12	96	3.33	3.5	314.11	2	16.6	82
9,421.40	652,150	135	403	5.82	1.4	13,283.49	13	875.5	619
23,929.11	1,037,834	180	480	11.08	2.3	9,677.49	32	456.4	2,865
1,561.23	32,678	45	61	2.89	4.8	623.65	7	23.2	194
568.16	22,300	4	465	11.84	2.5	806.33	9	29.3	387
764.39	59,184	17	290	3.75	1.3	113.27	1	5.0	177
4,781.97	150,743	86	146	4.63	3.2	4,012.52	13	156.0	405
4,929.47	161,415	97	139	4.23	3.1	2,439.99	11	113.0	509
980.78	45,530	31	122	2.64	2.2	94.34	1	3.0	287
1,072.56	31,750	24	110	3.72	3.4	49.54	1	3.0	87
1,317.34	42,277	43	82	2.55	3.1	11.73	1	.....	177
1,542.49	94,250	35	224	3.67	1.6	1,313.59	7	86.0	300
3,083.68	187,630	77	203	3.34	1.6	6,496.15	14	426.7	467
3,336.04	171,120	79	181	3.52	1.9	4,652.28	6	160.7	384
583.60	34,670	21	134	2.32	1.7	210.46	2	7.0	248
1,647.38	49,292	44	93	3.12	3.3	1,281.89	4	61.4	188
2,630.24	114,005	63	151	3.48	2.3	912.24	5	43.4	410
2,378.79	123,734	52	198	3.81	1.9	3,879.52	7	169.7	278
2,990.29	87,692	48	152	5.19	3.4	.....	6	.....	186
3,341.33	133,810	73	153	3.81	2.5	3,096.97	6	124.2	311
8,331.47	324,026	112	241	6.20	2.6	4,196.40	15	157.6	544
2,648.25	134,020	46	243	4.80	2.0	146.33	1	12.2	145
4,618.05	232,196	85	228	4.53	2.0	1,557.82	3	73.3	389
1,272.76	30,355	14	181	7.58	4.2	161.83	1	7.5	78
2,351.38	113,829	47	202	4.17	2.1	11,169.59	9	532.8	354
1,022.24	31,373	24	109	3.55	3.3	606.29	2	38.7	140
1,553.37	42,813	50	71	2.59	3.6	224.92	2	16.0	211
82,095.06	4,928,469	1,094	375	6.25	1.6	136,417.54	178	5,875.6	22,180
3,085.89	102,590	45	190	5.71	3.0	.....	.....	.....	187



## STATEMENT "E"

### Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1941

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.\* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

#### Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

#### Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"† in accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

\*Except townships served as parts of rural power districts, for which consult latter part of Section III.

†R.S.O. 1937, Ch. 62, Sec. 89.

*Domestic Service:* Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

*Commercial Light Service:* Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

*Water-Heater Service:* For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro utilities, without capital cost to the consumer.†

*Power Service:* The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power", discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

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†In addition, the municipal Hydro utilities supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Acton.....	\$ c. 26.66	cents ....	60	2.5	cents 1.0	\$ c. 0.83	% 10
Agincourt.....	27.45	....	60	3.4	1.1	1.11	10
Ailsa Craig.....	36.86	....	60	2.8	0.9	0.83	10
Alexandria.....T	47.33	....	50	4.5	1.2	1.11	10
Alliston.....T	42.53	....	40	5.3	1.3	1.39	10
Alvinston.....	50.22	....	60	4.7	1.2	1.38	10
Amherstburg.....T	30.41	....	60	3.4	0.9	0.83	10
Ancaster Twp.....	25.52	....	60	3.8	1.3	0.83	10
Apple Hill.....	44.65	....	60	5.0	1.3	1.66	10
Arkona.....	51.91	....	60	5.0	1.8	1.78	10
Arnprior.....T	25.89	....	55	3.8	1.0	0.83	10
Arthur.....	58.57	33-66	40	4.8	1.5	1.67	10
Athens.....	42.04	33-66	50	4.5	1.5	1.11	10
Aylmer.....T	28.18	....	60	2.3	0.8	0.83	10
Ayr.....	32.28	....	60	3.4	1.1	1.11	10
Baden.....	26.93	....	60	2.5	1.0	0.83	10
Bala.....T	....	33-66	50	3.7	1.2	1.66	10
Barrie.....T	31.49	....	60	2.7	1.0	0.83	10
Bath.....	47.04	33-66	40	6.0	1.5	2.78	10
Beachville.....	27.32	....	60	3.1	1.1	0.83	10
Beamsville.....	26.46	....	60	3.3	1.0	0.83	10
Beardmore Townsite...	....	....	50	5.5	1.5	1.11	10
Beaverton.....	37.02	....	60	2.8	1.0	1.11	10
Beeton.....	55.14	....	40	5.5	1.8	1.67	10
Belle River.....	30.94	....	60	3.6	1.0	1.11	10
Belleville.....C	25.27	....	55	1.9	0.7	0.83	10
Blenheim.....T	30.30	....	60	2.5	0.9	0.83	10
Bloomfield.....	41.39	....	50	3.4	1.3	1.11	10
Blyth.....	39.86	....	60	3.5	1.1	1.39	10
Bolton.....	33.26	....	55	3.5	1.1	1.11	10
Bothwell.....T	34.54	....	60	2.4	0.8	0.83	10
Bowmanville.....T	29.58	....	60	3.5	1.0	0.83	10
Bradford.....	46.07	....	40	5.2	1.3	1.67	10
Brampton.....T	24.25	....	60	2.3	1.0	0.83	10
Brantford.....C	23.86	....	60	2.3	0.9	0.83	10
Brantford Twp.....	27.54	....	60	2.7	1.0	1.11	10
Brechin.....	42.92	....	45	5.5	1.2	1.67	10
Bridgeport.....	29.26	....	50	4.3	1.2	1.11	10
Brigden.....	43.45	....	60	3.6	0.9	1.39	10
Brighton.....	32.15	....	60	4.2	1.2	1.11	10

\*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.



"E"

# Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	0.8	1.66	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.3	1.0	1.38	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.7	0.8	1.66	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.5	1.5	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	4.4	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
*5.0	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10

\*Min. 500 watts.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month.	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Brockville..... T	26.81	....	60	1.8	0.8	0.83	10
Brussels.....	39.00	....	50	3.8	1.1	1.39	10
Burford.....	28.26	....	60	2.9	0.9	0.83	10
Burgessville.....	47.03	....	60	5.0	1.5	1.39	10
Burlington Beach or Hamilton Beach....	.....	....	60	3.5	1.1	0.83	10
Caledonia.....	26.80	....	60	2.5	0.8	0.83	10
Callander.....	....	33	40	5.0	2.0	1.11	10
Campbellville.....	47.36	....	45	5.0	1.5	1.67	10
Cannington.....	38.05	....	55	3.6	1.5	1.11	10
Capreol..... T	....	....	50	4.5	1.5	1.39	10
Cardinal.....	28.07	....	55	2.5	1.1	1.11	10
Carleton Place..... T	26.78	....	55	2.8	1.0	0.83	10
Carlsruhe.....	....	33-66	40	6.0	2.0	1.67	10
Cayuga.....	36.59	....	60	3.8	1.1	1.39	10
Chatham..... C	25.57	....	60	3.0	0.9	0.83	10
Chatsworth.....	38.05	....	45	3.5	1.2	1.39	10
Chesley..... T	35.03	....	55	2.9	1.1	1.11	10
Chesterville.....	31.92	....	55	2.3	1.0	0.83	10
Chippawa.....	20.40	....	60	2.8	0.9	1.11	10
Clifford.....	43.93	....	55	3.5	1.2	1.39	10
Clinton..... T	30.58	....	60	2.8	1.1	1.11	10
Cobden.....	49.76	....	30	3.5	1.0	1.11	10
Cobourg..... T	29.33	....	55	3.4	1.1	0.83	10
Colborne.....	32.15	....	60	4.0	1.1	0.83	10
Coldwater.....	37.85	33-36	55	2.5	1.0	1.11	10
Collingwood..... T	33.11	....	55	2.8	1.0	0.83	10
Comber.....	37.23	....	60	3.6	0.9	1.11	10
Cookstown.....	42.46	....	40	5.2	1.2	1.67	10
Cottage Cove Townsite	....	....	60	6.0	2.0	3.33	10
Cottam.....	35.03	....	60	3.6	1.0	1.39	10
Courtright.....	51.57	....	55	4.0	1.2	1.39	10
Creemore.....	41.67	....	45	3.8	1.0	1.39	10
Dashwood.....	34.41	....	60	4.2	1.0	1.11	10
Delaware.....	28.57	....	60	3.5	1.2	1.11	10
Delhi.....	29.54	....	60	3.3	1.0	0.83	10
Deseronto..... T	39.87	....	50	4.8	1.2	0.83	10
Dorchester.....	31.01	....	60	3.0	1.1	0.83	10
Drayton.....	45.22	....	55	4.0	1.3	1.11	10
Dresden..... T	32.38	....	60	2.6	0.8	0.83	10
Drumbo.....	33.29	....	60	3.8	1.1	1.11	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	4.0	0.8	1.39	10	31.00	1.00	2.9	1.9	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.5	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	5.0	2.0	4.44	10	.....	.....	.....	.....	.....	.....	..	..
5.0	2.8	0.9	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.9	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.9	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	\$ c.
Dublin.....	41.62	....	60	3.5	1.2	1.11	10
Dundalk.....	35.92	....	55	3.0	1.0	1.11	10
Dundas.....T	22.50	....	60	2.5	0.9	0.83	10
Dunnville.....T	21.95	....	60	2.4	0.8	0.83	10
Durham.....T	38.62	....	55	2.5	1.0	0.83	10
Dutton.....	31.01	....	60	2.1	0.8	0.83	10
East York Twp.....	25.70	....	60	2.5	1.1	0.83	10
Elmira.....T	27.33	....	60	3.4	1.0	0.83	10
Elmvale.....	37.99	....	55	3.4	1.2	0.83	10
Elmwood.....	38.84	....	45	4.0	1.0	1.39	10
Elora.....	29.40	....	60	3.1	1.2	1.11	10
Embro.....	33.59	....	60	3.4	1.2	1.11	10
Erieau.....	45.37	....	60	3.8	1.1	1.39	10
Erie Beach.....	53.12	....	60	5.3	1.5	1.67	10
Essex.....T	29.05	....	60	2.5	0.9	0.83	10
Etobicoke Twp.....	24.48	....	60	2.7	1.1	0.83	10
Exeter.....	29.62	....	60	3.0	0.9	0.83	10
Fergus.....	28.52	....	55	3.3	1.3	1.11	10
Finch.....	37.98	....	45	3.0	1.2	1.39	10
Flesherton.....	43.34	....	55	3.0	1.0	1.11	10
Fonthill.....	27.18	....	60	3.0	1.1	1.11	10
Forest.....T	35.60	....	60	3.5	0.9	1.11	10
Forest Hill.....	23.22	33-66	60	2.0	1.3	0.83	10
Fort William.....C	20.90	....	60	2.1	0.9	0.83	10
Frankford.....	.....	....	60	4.5	1.2	0.83	10
Galt.....C	23.93	....	60	2.8	0.8	0.83	10
Gamebridge.....	.....	....	45	5.5	1.2	1.67	10
Georgetown.....T	28.51	....	60	3.0	0.9	0.83	10
Geraldton Townsite.....	.....	....	60	3.7	1.2	1.11	10
Glencoe.....	42.12	....	60	4.0	0.9	1.11	10
Glen Williams.....	.....	33-66	60	2.7	1.1	0.83	10
Goderich.....T	33.06	....	55	3.3	1.0	0.83	10
Grand Valley.....	48.43	....	45	5.0	1.2	1.39	10
Granton.....	35.91	....	60	3.3	1.2	1.11	10
Gravenhurst.....T	24.49	....	55	2.2	0.9	0.83	10
Grimsby.....T	.....	....	60	3.5	1.1	0.83	10
Guelph.....C	23.80	....	60	2.0	0.8	0.83	10
Hagersville.....	27.90	....	60	2.5	1.0	0.83	10
Hamilton.....C	21.82	....	60	2.4	0.8	0.83	10
Hanover.....T	31.94	....	60	2.8	1.3	0.83	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.5	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.8	0.8	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	..	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	17.00	1.00	1.7	1.1	*0.33	.....	25	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.133	.....	10	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	1.66	10	30.00	1.00	2.8	1.8	0.43	.....	..	10
5.0	3.1	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	25	10
5.0	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.2	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	.....	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
†5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10

\*0.33 cents per kw-hr. for the next 360 hours use plus 0.133 cents per kw-hr. for all additional†

†Min. 500 watts.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Harriston.....T	35.85	....	55	3.0	1.0	1.11	10
Harrow.....T	31.44	....	60	3.3	1.0	0.83	10
Hastings.....	37.94	....	45	4.2	1.2	1.11	10
Havelock.....	43.09	....	50	3.5	1.2	0.83	10
Hensall.....	37.26	....	60	3.5	1.1	1.11	10
Hepworth.....	....	33-66	40	6.0	2.0	1.67	10
Hespeler.....T	23.89	....	60	3.0	0.9	0.83	10
Highgate.....	35.46	....	60	3.2	0.9	1.11	10
Hislop Townsite.....	....	33-66	50	6.0	1.5	1.94	10
Holstein.....	80.25	....	40	5.5	1.3	1.67	10
Hudson Townsite.....	....	....	60	6.0	2.0	2.00	10
Humberstone.....	24.12	....	60	2.6	0.8	0.83	10
Huntsville.....T	28.36	....	60	2.0	0.9	0.83	10
Ingersoll.....T	25.15	....	60	2.4	0.9	0.83	10
Iroquois.....	26.69	33	{60 60}	{3.0 2.0}	1.0	0.83	10
Jarvis.....	33.45	....	60	3.4	1.0	1.11	10
Kearns Townsite.....	....	33-66	50	6.0	2.0	1.94	10
Kemptville.....	33.87	....	55	3.5	1.2	0.83	10
Kincardine.....T	39.85	....	40	4.5	1.3	1.11	10
King Kirkland Townsite.....	....	33-66	50	6.0	1.5	3.06	10
Kingston.....C	26.43	....	50	2.2	0.8	0.83	10
Kingsville.....T	30.61	....	60	2.8	0.9	0.83	10
Kirkfield.....	52.17	33-66	40	5.5	1.5	2.22	10
Kitchener.....C	23.30	....	60	2.3	1.0	0.83	10
Lakefield.....	32.51	....	50	3.6	1.2	0.83	10
Lambeth.....	33.37	....	60	3.0	1.0	1.11	10
Lanark.....	39.08	....	50	4.2	1.3	0.83	10
Lancaster.....	49.00	....	60	4.0	1.2	1.11	10
La Salle.....T	30.99	....	60	3.8	1.2	1.11	10
Leamington.....T	30.64	....	60	2.3	0.8	0.83	10
Leaside.....T	....	a3	....	b1.8	1.0	0.83	10
Lindsay.....T	30.24	....	60	2.5	0.9	0.83	10
Listowel.....T	28.75	....	55	2.7	1.0	0.83	10
London.....C	23.55	....	60	2.4	0.9	0.83	10
London Twp.....	26.88	....	60	2.9	1.0	1.11	10
Long Branch.....	24.52	....	60	2.5	1.1	0.83	10
Lucan.....	29.00	....	60	3.4	1.1	1.11	10
Lucknow.....	45.09	....	45	4.3	1.3	1.67	10
Lynden.....	29.94	....	60	3.4	1.1	1.39	10
Mac Tier.....	....	33-66	40	5.0	2.0	1.66	10

aService Charge per 100 sq. ft. floor area.

bFirst 3 kw-hrs. per 100 sq. ft.



## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	..	10
5.0	3.2	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.9	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	..	10
5.0	6.0	1.5	3.06	10	.....	.....	.....	.....	.....	.....	..	..
5.0	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	6.0	2.0	*1.00	10	45.00	1.00	5.1	3.4	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
†33	15.0 3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	2.0	3.06	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	6.0	1.5	3.89	10	.....	.....	.....	.....	.....	.....	..	..
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.2	1.0	1.11	10	56.00	1.00	6.6	4.4	0.33	.....	..	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
c	3.0					e1.10			f1/3			
d	2/3	1/3	0.83	10	.....	0.90	2.0	1.0	1/6	.....	..	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.9	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.5	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

\*Per 100 W., Min. \$2.00, Max. \$5.00.

†Per service per month.

‡5c per kw-hr. for 1st 60 kw-hrs. plus 3c per kw-hr. for 2nd 60 kw-hrs.

c1st 80 hrs. use.

eFirst 7.5 kilowatts \$1.10 per kw. All additional 90c. per kw.

d2nd 80 hrs. use.

f1/3c. per kw-hr., next 300 hrs. All additional 1/6c. per kw-hr.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Madoc.....	43.01	....	50	3.2	1.2	0.83	10
Markdale.....	35.07	....	55	3.1	1.1	1.11	10
Markham.....	29.13	....	60	3.0	1.0	0.83	10
Marmora.....	35.78	....	60	4.0	1.0	1.11	10
Martintown.....	34.64	....	50	3.0	1.0	1.11	10
Matachewan Townsite.	....	....	50	4.5	1.0	1.11	10
Maxville.....	44.91	....	55	4.5	1.2	1.11	10
Meaford.....T	36.24	....	60	3.0	1.1	0.83	10
Merlin.....	35.13	....	60	3.8	1.0	1.11	10
Merritton.....T	20.29	....	60	2.4	0.9	0.83	10
Midland.....T	31.35	....	60	2.5	1.0	0.83	10
Mildmay.....	39.30	....	40	3.6	1.0	1.39	10
Millbrook.....	34.80	33	60	5.5	1.5	0.83	10
Milton.....T	25.99	....	60	3.3	1.1	0.83	10
Milverton.....	28.89	....	60	2.7	1.0	0.90	10
Mimico.....T	23.30	....	60	2.7	1.1	0.83	10
Mitchell.....T	27.73	....	60	2.9	1.1	0.83	10
Moorefield.....	48.66	....	50	4.2	1.2	1.39	10
Mooretown Townsite..	....	33-66	50	6.0	2.0	3.00	10
Morrisburg.....	31.70	....	60	3.0	1.0	0.83	10
Mount Brydges.....	31.69	....	60	2.8	0.9	1.11	10
Mount Forest.....T	43.46	....	60	3.0	1.25	0.83	10
Napanee.....T	28.99	....	50	3.5	1.2	0.83	10
Neustadt.....	42.58	....	60	6.0	1.5	1.67	10
Newburgh.....	....	33	60	5.0	2.0	1.66	10
Newbury.....	40.71	....	55	5.0	1.2	1.38	10
Newcastle.....	30.70	....	60	4.8	1.2	1.11	10
New Hamburg.....	27.55	....	60	3.3	1.1	0.83	10
New Toronto.....T	25.39	....	60	2.4	1.0	0.83	10
Niagara Falls.....C	17.71	....	60	2.2	0.8	0.83	10
Niagara-on-the-Lake..T	21.39	....	60	2.6	1.0	0.83	10
Nipigon Twp.....	24.44	....	60	3.0	1.0	1.11	10
Nipissing.....	....	33	50	6.0	2.0	1.67	10
North Bay.....C	....	....	60	3.3	1.3	0.83	10
North York Twp.....	25.76	....	55	4.0	1.3	1.11	10
Norwich.....	28.28	....	60	2.8	0.9	0.83	10
Norwood.....	33.45	....	50	4.0	1.2	1.11	10
Oil Springs.....	34.65	....	60	2.6	0.9	1.11	10
Omeme.....	34.94	....	60	3.5	1.3	0.83	10
Orangeville.....T	41.37	....	55	3.0	1.0	1.11	10
Orono.....	34.62	....	60	5.5	1.5	1.11	10
Oshawa.....C	28.92	....	50	3.8	1.1	0.83	10
			60	2.0			
Ottawa.....C	15.47	33-66	60	1.0	0.5	0.83	10
Otterville.....	34.07	....	60	2.8	0.9	1.11	10
Owen Sound.....C	31.97	....	60	2.1	0.8	0.83	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.66	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	..	10
5.0	1.7	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	5.5	1.5	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	6.0	2.0	5.00	10	.....	.....	.....	.....	.....	.....	..	..
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.0	2.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	.....	..	10
5.0	4.3	1.2	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	6.0	1.0	1.67	10	.....	.....	.....	.....	.....	.....	..	..
5.0	3.1	0.8	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.3	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.1	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	.....	15 & 10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1940, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Paisley.....	43.60	....	45	5.0	1.0	1.39	10
Palmerston.....T	31.59	....	60	2.7	1.1	1.11	10
Paris.....T	24.19	....	60	2.3	0.9	0.83	10
Parkhill.....T	44.78	....	60	3.8	1.0	1.11	10
Penetanguishene.....T	33.90	....	55	3.2	1.1	0.83	10
Perth.....T	26.59	....	55	2.8	1.0	0.83	10
Peterborough.....C	25.71	....	55	2.7	1.2	0.83	10
Petrolia.....T	31.02	....	60	2.7	0.8	0.83	10
Picton.....T	34.80	....	60	2.8	1.0	0.83	10
Plattsville.....	38.04	....	60	3.8	1.1	1.11	10
Point Edward.....	30.85	....	60	3.2	1.0	0.83	10
Port Arthur.....C	20.51	....	50	2.0	0.8	0.83	10 & 10
Port Carling.....	....	33-66	45	4.7	1.5	1.66	10
Port Colborne.....T	23.95	....	60	3.0	1.0	0.83	10
Port Credit.....	26.10	....	60	2.5	1.0	0.83	10
Port Dalhousie.....	23.87	....	60	2.6	1.0	0.83	10
Port Dover.....	31.09	....	60	2.5	0.9	0.83	10
Port Elgin.....	38.65	33-66	40	2.5	1.2	1.11	10
Port Hope.....T	29.87	....	60	2.4	0.9	0.83	10
Port McNicoll.....	36.85	....	50	4.0	1.5	0.83	10
Port Perry.....	42.91	....	50	4.0	1.2	1.11	10
Port Rowan.....	38.14	....	60	3.2	1.1	1.39	10
Port Stanley.....	30.66	....	60	3.1	1.0	0.83	10
Powassan.....T	....	33	40	5.0	2.0	1.11	10
Prescott.....T	27.14	....	60	2.5	1.1	0.83	10
Preston.....T	23.63	....	60	2.6	0.8	0.83	10
Priceville.....	45.36	33-66	60	6.0	1.5	1.67	10
Princeton.....	39.72	....	60	3.3	1.2	1.67	10
Queenston.....	21.18	....	60	3.0	1.3	1.11	10
Ramore-Matheson....	....	....	50	6.0	1.5	2.22	10
Red Lake Townsite...	....	....	55	4.8	1.2	1.00	10
Richmond.....	41.66	....	35	5.0	1.5	1.67	10
Richmond Hill.....	27.26	33-66	60	2.0	0.8	0.83	10
Ridgetown.....T	29.95	....	60	2.3	0.8	0.83	10
Ripley.....	54.59	....	55	6.0	1.5	1.67	10
Riverside.....T	29.17	....	60	3.7	1.1	0.83	10
Rockwood.....	30.60	....	60	3.3	1.1	1.11	10
Rodney.....	39.45	....	60	2.6	0.8	0.83	10
Rosseau.....	72.85	† 33	.....	6.0	2.0	† 2.22	10
Russell.....	43.22	....	55	4.8	1.2	1.39	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	4.4	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.6	0.9	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	..	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.3	0.83	10 & 10	17.00	1.00	1.7	1.1	*0.33 0.133	.....	25	10
5.0	4.5	0.8	1.66	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	1.5	2.78	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.8	1.2	1.50	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	2.0	†2.22	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10

\*0.33c. per kw-hr. for next 360 hours' use plus 0.133c. per kw-hr. for all additional.

†According to consumers' demand.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to muni- cipality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
St. Catharines.....C	20.32	....	45-60	2.3	0.9	0.83	10
St. Clair Beach.....	34.26	....	60	4.2	1.3	1.67	10
St. George.....	34.70	....	60	3.2	1.1	1.11	10
St. Jacobs.....	26.45	....	60	2.8	1.0	0.83	10
St. Marys.....T	28.80	....	60	3.1	1.0	0.83	10
St. Thomas.....C	24.34	....	60	2.4	0.8	0.83	10
Sarnia.....C	27.76	....	60	2.5	0.8	0.83	10
Scarborough Twp.....	25.35	....	60	2.8	1.0	0.83	10
Seaforth.....T	29.59	....	60	2.9	1.1	0.83	10
Shelburne.....	40.80	....	50	3.8	1.0	1.11	10
Simcoe.....T	25.69	....	60	2.2	0.8	0.83	10
Sioux Lookout.....T	....	....	60	6.0	2.0	2.00	10
Smiths Falls.....T	25.31	....	55	3.0	1.0	0.83	10
Smithville.....	32.54	....	60	3.8	1.3	1.11	10
Southampton.....T	37.28	....	40	3.6	1.2	1.11	10
Springfield.....	35.67	....	60	3.6	1.1	1.11	10
Stamford Twp.....	17.79	....	60	3.0	1.0	0.83	10
Stayner.....T	36.56	....	55	3.0	1.1	0.83	10
Stirling.....	26.39	....	60	2.5	1.0	0.83	10
Stoney Creek.....	....	....	60	3.5	1.1	0.83	10
Stouffville.....	33.51	....	60	2.8	1.0	0.83	10
Stratford.....C	24.87	....	60	2.8	0.9	0.83	10
Strathroy.....T	27.07	....	60	2.6	0.8	0.83	10
Streetsville.....	28.11	....	55	3.5	1.0	0.83	10
Sudbury.....C	....	....	55	2.7	1.2	0.83	10
Sunderland.....	47.40	....	45	4.7	1.2	1.39	10
Sutton.....	36.68	....	50	4.0	1.3	1.11	10
Swansea.....	25.73	....	60	2.5	1.2	0.83	10
Tara.....	41.19	....	40	4.5	1.8	1.11	10
Tavistock.....	28.30	....	60	3.0	1.0	0.83	10
Tecumseh.....T	31.77	....	60	4.0	1.1	1.11	10
Teeswater.....	44.33	....	50	5.0	1.3	1.39	10
Thamesford.....	31.63	....	60	2.7	0.9	1.11	10
Thamesville.....	31.24	....	60	2.5	0.8	0.83	10
Thedford.....	46.44	....	55	5.0	1.2	1.11	10
Thorndale.....	38.04	....	60	4.2	1.2	1.11	10
Thornton.....	50.89	....	60	6.0	1.5	1.67	10
Thorold.....	21.32	....	60	2.2	0.8	0.83	10
Tilbury.....T	30.22	....	60	2.2	0.8	0.83	10
Tillsonburg.....T	26.65	....	60	2.3	0.8	0.83	10



## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
†5.0	1.6	1/3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	2.0	*1.00	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.5	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.7	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.6	0.8	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10

†Min. 500 watts.

\*\$1.00 per 100 watts. Min. \$2.00. Max. \$5.00.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Toronto.....C	22.49	a3	....	b1.8	1.0	0.83	10
Toronto Twp.....	25.89	....	60	2.9	1.0	1.11	10
Tottenham.....	61.35	....	35	5.5	1.5	1.67	10
						*0.83	
Trafalgar Twp. Area 1.	27.25	....	60	3.1	1.7	†2.22	10
Trafalgar Twp. Area 2.	29.87	....	60	3.6	1.2	1.11	10
Trenton.....T	24.42	....	50	3.0	1.0	0.83	10
Tweed.....	42.86	....	50	4.0	1.2	1.11	10
Uxbridge.....T	42.29	....	50	3.6	1.2	1.11	10
Victoria Harbour.....	36.82	....	60	2.8	1.0	1.11	10
Walkerton.....T	32.29	....	50	3.6	1.1	1.11	10
Wallaceburg.....T	28.61	....	60	2.6	0.8	0.83	10
Wardsville.....	42.03	....	60	5.5	1.5	1.39	10
Warkworth.....	34.44	....	50	4.0	1.2	1.11	10
Waterdown.....	25.93	....	60	2.5	1.0	0.83	10
Waterford.....	26.71	....	60	2.4	0.9	0.83	10
Waterloo.....T	23.55	....	60	2.3	0.9	0.83	10
Watford.....	35.52	....	60	3.3	1.0	1.11	10
Waubashene.....	34.96	....	55	3.0	1.0	1.11	10
Welland.....C	18.91	....	60	2.4	0.9	0.83	10
Wellesley.....	32.72	....	50	3.5	1.1	1.11	10
Wellington.....	35.50	33-66	50	2.5	1.25	0.83	10
West Lorne.....	33.89	....	60	2.8	0.8	0.83	10
Weston.....T	23.60	....	60	2.4	0.9	0.83	10
Westport.....	49.14	....	45	5.0	1.5	1.94	10
Wheatley.....	39.25	....	60	3.4	1.0	0.83	10
Whitby.....T	28.84	....	60	2.8	1.0	0.83	10
Warton.....T	45.70	....	50	3.2	1.0	1.39	10
Williamsburgh.....	29.40	....	60	2.0	0.8	0.83	10
Winchester.....	29.80	....	60	2.4	1.2	0.83	10
Windermere.....	45.76	†33	....	5.0	1.5	†2.22	10
Windsor.....C	25.64	....	60	3.1	0.8	0.83	10
Wingham.....T	41.60	....	50	3.2	1.1	1.11	10
Woodbridge.....	26.71	....	60	3.0	1.1	0.83	10
Woodstock.....C	24.20	....	60	2.4	0.8	0.83	10
Woodville.....	45.79	....	50	3.8	1.0	1.11	10
Wyoming.....	40.61	....	60	3.3	0.9	1.11	10
York Twp.....	24.99	33-66	60	2.0	1.3	0.83	10
Zurich.....	40.04	....	60	4.0	1.0	1.11	10

aService Charge per 100 sq. ft. floor area.

bPer kw-hr. for 1st. 3 kw-hrs. per 100 sq. ft.

\*Under 10 kw. \$0.83 Min. Bill.

†Over 10 kw. \$2.22 Min. Bill.

†According to consumers' demand.

“E”—Concluded

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
	3					D.C.	3.0	1.2	e. 0.6	.....	..	10
c	2/3	1/3	0.83	10	d	A.C.	2.0	1.0	1/3	.....	..	10
									1/6	.....	..	10
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
10.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.0	1.5	†2.22	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.7	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

cFirst 80 hours' use—3c. per kw-hr. Next 80 hours' use 2/3c. per kw-hr.

dD.C. service charge \$1.50 per kw. per month for 1st 7½ kw. plus \$1.05 per kw. for all additional demand.

A.C. service charge \$1.10 per kw. per month for 1st 7½ kw. plus \$0.90 per kw. for all additional demand.

e1 3c. per kw-hr. for next 300 hours' use plus 1/6c. per kw-hr. for all additional.



## APPENDIX I

### ACTS

#### CHAPTER 43

An Act to amend The Power Commission Insurance Act.

*Assented to April 9th, 1941.*

*Session Prorogued April 9th, 1941.*

**H**IS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1.—Section 2 of *The Power Commission Insurance Act* is amended by adding thereto the following subsection: Rev. Stat., c. 67, s. 2, amended.

(3) Notwithstanding anything contained in subsection 1 or in any agreement made thereunder, the Commission, with the approval of the Lieutenant-Governor in Council, may enter into further agreements with any such insurance corporation varying, adding to or modifying as the Commission may deem necessary or advisable any agreement entered into under subsection 2 or this subsection and each such further agreement shall be legal, valid and binding upon each municipal authority on behalf of which it is entered into and upon the successors and assigns of such municipal authority. Power to amend.

2.—This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

3.—This Act may be cited as *The Power Commission Insurance Amendment Act, 1941.* Short title.

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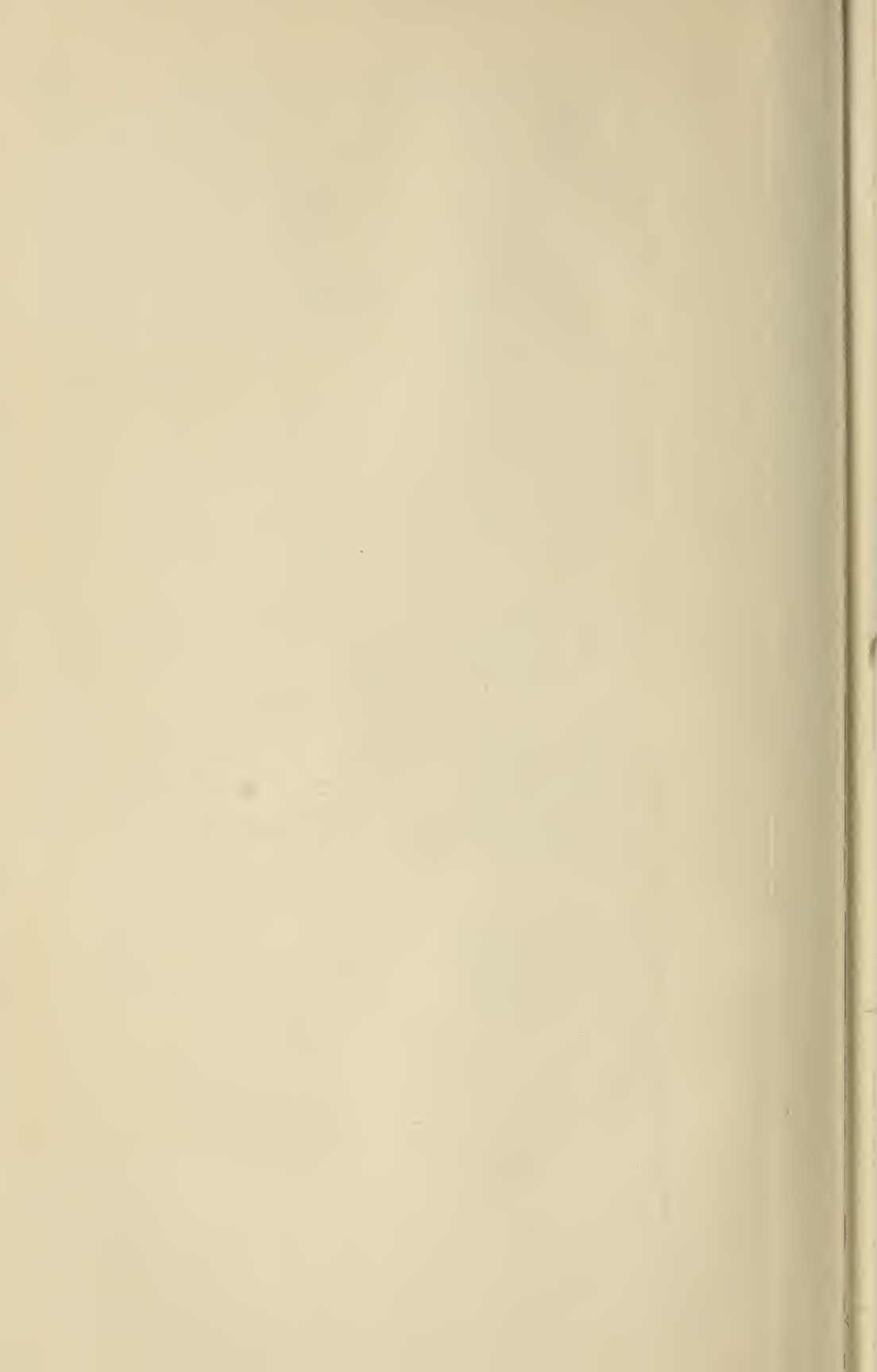
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